Instant Boiling Water

The Zip Product Guide

2015

The complete range of Zip products
Including the innovative, exciting

HydroTap G4

www.zipheaters.co.uk

Version 2

Introduction

Thank you for considering a Zip product. Whichever one you choose, you can be quite certain of one thing - nobody offers you a more advanced boiling, chilled, sparkling water system for your project, because nobody knows instant boiling water like Zip. We also lead the way in the UK development of instantaneous hot water products.

Today millions of people around the world use Zip instant boiling water systems each day in homes, public buildings, hospitals, schools, offices and factories in more than sixty countries.

Zip remains world leader in instant boiling water, setting the pace in time-saving, energy-saving, water-conserving and user-safety technology.

You can be confident that the Zip product you choose is a sound investment, because it is by far the best of its kind, designed to save you time, energy and money every day and for many years to come.

Training

Zip's experienced team of Training Managers offer bespoke product training geared to the needs of Installers, Specifiers and Facility Managers.

These 'hands on' sessions typically take place on site, or in one of Zip's specially designed training centres, covering all relevant product installation, servicing and maintenance issues.

Additionally a choice of RIBA accredited CPD programmes are available for those involved in the specification of boiling, chilled or hot water products

Prompt service

Zip HydroTap is better designed, better built and better backed than any comparable boiling and chilled filtered water system and is designed to give many years of service. However, like any appliance, it may need attention from time to time to keep it in top operating condition. To provide prompt service in any location, Zip has established a team of national, fully trained, directly employed, service engineers covering the whole of the UK – for installation, repairs or routine periodic maintenance.

In the Greater London area (within the M25) we offer a same day service, providing that the call is made before mid-day. Other areas may take a little longer.

NEW for 2015

The new Zip HydroTap G4

The world's most advanced drinking water system

Boiling | Chilled | Sparkling | Filtered | Instantly

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Zip HydroTap®

The most intelligent filtered drinking water system ever invented

Zip Heaters' policy of continual product development has resulted in the most advanced, energy saving, time saving product providing instant filtered, boiling, chilled and sparkling drinking water

The Zip HydroTap G4

New under-sink Zip Command-Centre units are more compact than ever before and all connection points are now push-fit and at the rear, reducing installation time. A front access door makes changing the filtration cartridge as simple and quick as replacing a light bulb.

- **Advanced insulation** and electronics technology reduces standby energy consumption substantially over earlier Zip models of similar capacity, by up to 53%.
- **Auto-calibrates to boiling point** upon installation, regularly re-calibrates and optimises performance.
- **Simple pin-code-protected touch-screen** puts managers in total control of each appliance.
- **Adjustments include** temperature, dispensing time, safety settings and energy-saving settings.
- **Continuous auto-diagnostics** system monitors performance and provides total history on demand.
- **Integral cross-ventilation system** eliminates cupboard heat-up with no need for an external fan.
- **Multiple filter life settings,** with precise litre monitoring, to optimise filter replacement timing.
- **Added peace-of-mind features** include overload protection, temperature monitoring, internal leak detection, plus an internal pressure limiting valve.

Zip brings you the most intelligent filtered drinking water tap ever invented.

- **Adjustable water temperature**: boiling water 100ºC to 68ºC, factory set at 98ºC for optimum results. Chilled water 5ºC to 13ºC.
- **Power-Pulse™ electronic technology** controls the set boiling temperature within 0.2ºC and eliminates overboil.
- **Choice of fingertip control** for fast cup filling (lever down) or **hands-free** pot filling (lever up).
- **Can be set** to require **finger-thumb safety** operation for boiling water access, eliminating the risk of accidental use. Can also be set to **boiling isolation mode** for increased safety.
- **Longer spout** caters for under-mount sinks. Extended lever & Braille pads also available.
- **Energy saving** technology
  - **Low-energy lights** signal boiling water is ready, chilled is ready, or filter change is due.
  - **Hidden light sensor** sends appliance to sleep, to conserve energy when the room goes dark.
  - **Sleeps or powers off** after 2 hours of non-use.
  - **Plus 24/7 on/off timer**, allowing power to be turned off, automatically, for weekday or weekend periods.

Zip HydroTap® technology

Superior technology saves energy and conserves water

Power-Pulse™ energy saving technology

Reduces power consumption by allowing the system to regulate its power during periods of high and low usage. This saves energy whilst maintaining the tightest possible temperature control.

Automatically calculates boiling point

Because boiling temperature varies by altitude, Zip HydroTap pinpoints boiling point during installation and sets it accordingly.

Sleeps when inactive

The system can be pre-set to power down after 2 hours of non-use, but will still retain stored 'boiling' water at an energy saving 64°C, or can also be set to hibernate (power off completely). The system quickly recovers to the pre-set boiling temperature upon further draw-off.

Programmable 24/7 timer

Pre-set the 'power on' and 'power off' times (once a day) for those periods when the Zip HydroTap will not be used, such as overnight or at weekends (for commercial users).

Cuts down water wastage, too

Every drop of water is dispensed at the set temperature, so there is, no longer any need to waste water running a tap until the water is at the correct temperature

Zip HydroTap® sustainability

Supporting the environment as never before

Conserves water

New, improved air-cooled system, with integral cross-ventilation, does not dump water to waste. An environmentally responsible solution.

Conserves energy

Choice of four energy-saving settings to allow installers or site managers to adjust each set-up to operate with optimum energy efficiency.

RoHS Compliant

All materials involved in Zip HydroTap manufacturer comply with the European Restriction of Hazardous Substances Directive 2011/65/EC

WRAS Approval

All Zip HydroTap G4 commercial products carry the WRAS (Water Regulations Advisory Scheme) accreditation.

Standing heat-loss energy consumption comparison
(tests for a 24 hour period with no draw-off)

Example G3 models	Energy used (Watts)	Example G4 models	Energy used (Watts)	Energy saved
BC100/125	60.6	BC160/125G4	34	44%
BC150/175	74.5	BC240/175G4	36.2	51%

N.B. When the sleep mode facilities were activated on both the G3 and G4 models, the G4 showed a 53% stand-by energy saving over the superceded G3 models.

Zip HydroTap® range

General Information — Commercial HydroTap

Tap head
Chrome plated, die cast tap body with push and pull levers. Integral safety lock and LED indicators. It can be mounted at the sink or on the optional font and drain (see page 31)

D.D.A. options
Oversize tap levers. Braille covers

Control panel
Located on undercounter unit for programming sleep mode, timer, water temperature and water delivery. (see page 7)

Filtration system
Integral triple-action 0.2 micron encapsulated cartridge.

Safety features
Child-proof interlock on tap.Boiling isolation mode. Undercounter safe tray with leak detector.

Pin-code protection.

Finishes
Available in Bright Chrome (standard), Satin Chrome, Gloss Black and Matt Black.

Approvals
WRAS. CE endorsed.

Warranty
2 years on site parts and labour with additional 3 years on the boiling tank. For full details visit: www.zipheaters.co.uk/warranty

Plumbing
The water supply must be potable (drinkable).

If static pressure exceeds 7 bar, a pressure reducing valve must be fitted.

An isolating valve should be installed between the water supply and the unit.

Venting
The cupboard housing the unit must be amply ventilated as per the installation manual.

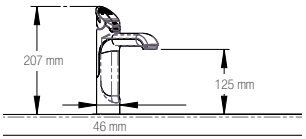
Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amp.

If the booster sytem is used it must be connected to a separate fused spur.

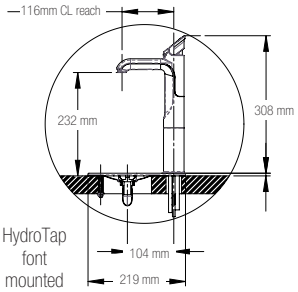
Installation must comply with current IEE regulations.

3 metre power cable provided.

Caution
In some hard water areas where scale is an issue we recommend the fitting of one of the Zip Professional range of scale filtration systems. (See page 33).



HydroTap sink mounted



HydroTap font mounted

Zip HydroTap® range

The wide range of products available

Boiling, chilled & sparkling

Boiling & chilled

Boiling only

Chilled only

Boiling & ambient

3-in-1,4-in-1 & 5-in-1

All-in-One

Industrial & Custodial

For the Home

Zip HydroTap®

Boiling, chilled and sparkling filtered water

Features & benefits

- Simple to operate, and with more safety features than ever.
- Press red lever for boiling water, however, if safety interlock is activated, press red lever and safety button at the same time.
- Press the blue lever to fill a glass, jug or bottle with chilled filtered water.
- Press both red and blue levers together for sparkling chilled filtered water.
- Lift either lever to run water for any pre-set period of 5 to 15 seconds.
- Boiling water can be isolated, if needed, during periods when your HydroTap is unattended.
- Smarter technology cuts power consumption dramatically.
- Power-Pulse™ controls power phasing to cut energy costs.
- Sleeps or powers off after 2 hours of non-use.
- 24/7 on/off weekly timer to save energy when HydroTap is not in use.
- BCS100/75G4 and BCS160/175G4 can be upgraded, retrospectively, if additional boiling water capacity is required, by installing the booster unit SP91412.
- Can be mounted at the sink or on the optional font and drain (see page 31).

Capacity choice options

BCS100/75G4.

BCS140/75G4 -including booster unit.
(separate fused spur needed)

BCS160/175G4

BCS240/175G4 -including booster unit.
(separate fused spur needed)

Boiling system

Open outlet, vented; factory set to operate at 98°C.

Chilling system

Fan-cooled condenser type, factory set to operate at 5-13°C.
Flow rate - Chilled 3.0 l/min
Sparkling 1.5 l/min
Refrigerant R134A.

Temperature settings

The boiling temperature can be adjusted from 100°C to 68°C.
Factory set at 98°C.
Flow rate - 4.0 l/min

Finishes

These models are available in 4 tap finishes:
Bright Chrome (standard)
Gloss Black
Matt Black
Satin Chrome
Matching fonts are also available
See page 31 for details.

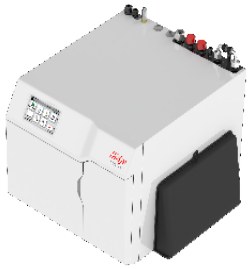
N.B.

For general installation and specification details of the HydroTap G4 range see page 10.

Visit www.zipheaters.co.uk/downloads

Under-counter Command Centre

BCS100/75G4 & BCS140/75G4



BCS160/175G4 & BCS240/175G4

Product Code	Maximum boiling cups/hour	Maximum chilled / sparkling glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
BCS100/75G4	100	75	2.15	280 x 470 x 335
BCS140/75G4* (including booster unit)	140	75	2.15 + 2.2	280 x 470 x 335
BCS160/175G4	160	175	2.30	450 x 470 x 335
BCS240/175G4* (including booster unit)	240	175	2.30 + 2.2	450 x 470 x 335

* These Zip HydroTap G4 models are installed with a 2.2kW, externally mounted, booster unit and must be connected to two separate 13 amp power supplies.

Zip HydroTap®

Boiling and chilled filtered water

Features & benefits

- Simple to operate, and with more safety features than ever.
- Press red lever for boiling water, however, if safety interlock is activated, press red lever and safety button at the same time.
- Press the blue lever to fill a glass, jug or bottle with chilled filtered water.
- Lift either lever to run water for any pre-set period of 5 to 15 seconds.
- Boiling water can be isolated, if needed, during periods when your HydroTap is unattended.
- Smarter technology cuts power consumption dramatically.
- Power-Pulse™ controls power phasing to cut power costs.
- Sleeps or powers off after 2 hours on non-use.
- 24/7 on/off weekly timer to save energy when HydroTap is not in use.
- BC100/75G4 and BC160/175G4 can be upgraded, retrospectively, if additional boiling water capacity is required, by installing the booster unit SP91412
- Can be mounted at the sink or on the optional font and drain (see page 31)

Capacity choice options

BC100/75G4.

BC140/75G4.-including booster unit.
(separate fused spur needed)

BC160/175G4

BC240/175G4 -including booster unit.
(separate fused spur needed)

Boiling system

Open outlet, vented; factory set to operate at 98°C.
The boiling temperature can be adjusted from 100°C to 68°C.
Flow rate - 4.0 l/min

Chilling system

Fan-cooled condenser type, factory set to operate at 5-13°C.
Flow rate - 3.0 l/min
Refrigerant R134A.

Finishes

These models are available in 4 tap finishes:
Bright Chrome (standard)
Gloss Black
Matt Black
Satin Chrome
Matching fonts are also available
See page 31 for details

N.B.

For general installation and specification details of the HydroTap G4 range see page 10.

Visit www.zipheaters.co.uk/download

Under-counter Command Centre

BC100/75G4 & BC140/75G4

BC160/175G4 & BC240/175G4

Product Code	Maximum boiling cups/ hour	Maximum chilled glasses/ hour	Power rating kW@230V	Dimensions W x D x H (mm)
BC100/75G4	100	75	2.05	280 x 470 x 335
BC140/75G4*	140	75	2.05 + 2.20	280 x 470 x 335
BC160/175G4	160	175	2.20	450 x 470 x 335
BC240/175G4*	240	175	2.20 + 2.20	450 x 470 x 335

* These Zip HydroTap G4 models are installed with a 2.2kW, externally mounted booster unit and must be connected to two separate 13 amp power supplies.

Zip HydroTap®

Filtered boiling (B models)

& filtered boiling and ambient water (BA models)

Features & benefits

- Simple to operate, and with more safety features than ever.
- Press red lever for boiling water, however, if safety interlock is activated, press red lever and safety button at the same time.
- For boiling ambient models right hand blue lever for filtered ambient water.
- Lift lever to run water for any pre-set period of 5 to 15 seconds.
- Boiling water can be isolated, if needed, during periods when your HydroTap is unattended.
- Smarter technology cuts power consumption dramatically.
- Power-Pulse™ controls power phasing to cut power costs.
- Sleeps or powers off after 2 hours on non-use.
- 24/7 on/off weekly timer to save energy when HydroTap is not in use.
- B160G4 and BA160G4 can be upgraded, retrospectively, if additional boiling water capacity is required, by installing the booster unit SP91412
- Can be mounted at the sink or on the optional font and drain (see page 31)

Capacity choice options

B160G4 - filtered boiling

B240G4.- filtered boiling, including booster unit. (separate fused spur needed)

BA160G4 - filtered boiling & ambient

BA240G4 -filtered boiling & ambient, including booster unit. (separate fused spur needed)

Boiling system

Open outlet, vented; factory set to operate at 98°C.
The boiling temperature can be adjusted from 100°C to 68°C.
Flow rate - 4.0 l/min

Ambient supply

Free-flow, mains pressure, at incoming water temperature

Finishes

These models are available in 4 tap finishes:
Bright Chrome (standard)
Gloss Black
Matt Black
Satin Chrome
Matching fonts are also available
See page 31 for details

N.B.

For general installation and specification details of the HydroTap G4 range see page 10.

Visit www.zipheaters.co.uk/downloads

Under-counter Command Centre

Boiling/ambient

Boiling only

Product Code	Maximum boiling cups/hour	Maximum ambient glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
BA160G4	160	Free Flow	1.90	280 x 313 x 335
BA240G4*	240	Free Flow	1.90 + 2.20	280 x 313 x 335
B160G4	160	N/A	1.90	280 x 313 x 335
B240G4*	240	N/A	1.90+ 2.20	280 x 313 x 335

* These Zip HydroTap G4 models are installed with a 2.2kW, externally mounted booster unit and must be connected to two separate 13 amp power supplies.

Zip HydroTap®

Filtered chilled and sparkling water

Features and benefits

- Provides chilled filtered water instantly.
- Provides chilled and sparkling fitered water instantly.
- No need for expensive and environmentally damaging bottled water.
- No need to store and handle bottled water.
- Free-Flow system means no fear of running out of drinking water in extreme weather conditions.
- Can be mounted at the sink or on the optional font and drain (see page 31)

Choice options

C175G4 - Chilled only
CS175G4 - Chilled and Sparkling

Chilling system

Fan-cooled condenser type, factory set to operate at 5-13°C.
Flow rate - Chilled 3.0 l/min
Sparkling 1.5 l/min
Refrigerant R134A.

Finishes

These models are available in 4 tap finishes:
Bright Chrome (standard)
Gloss Black
Matt Black
Satin Chrome
Matching fonts are also available
See page 31 for details

N.B. For general installation and specification details of the HydroTap range see page 10.

Under-counter Command Centre

Product Code	Maximum chilled glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
C175G4	175	0.30	336 x 476 x 335
CS175G4	175	0.45	336 x 476 x 335

Zip HydroTap® 3-in-1, 4-in-1 & 5-in-1

Boiling, chilled and sparkling filtered drinking water PLUS hot, cold (ambient) or mixed warm water – from two taps

Features & benefits
Offers all of the advantages of a standard HydroTap plus these additional 4 benefits.

- Provides hot water at 50°C to the mixer tap (supplied) and either boiling, chilled and sparkling (5-in-1), or boiling and chilled (4-in-1) or boiling or boiling and ambient (3-in-1) to the HydroTap.
- Saves the cost of a separate hot water supply.
- Saves space.
- Conserves energy.

Choice options
See table on page 21

N.B.The above units are supplied, as standard, with the classic mixer tap. Alternative mixer taps (the square and the Tall) are also available.

Boiling system
Open outlet, vented; factory set to operate at 98°C.
The boiling temperature can be adjusted from 100°C to 68°C.
Factory set at 98°C.
Flow rate - 4.0 l/min

Chilling system
Fan-cooled condenser type, factory set to operate at 5-14°C.
Flow rate - 4.0 l/min
Refrigerant R134A.

Mixer Flow
The mixer tap will deliver up to 3ltr/min, ideal for rinsing cups and handwashing.

Mixer Taps
The mixer tap is available in three types:

Classic

Square - add S to the product order code

Tall - add T to the product order code

Under-counter Command Centre

5-in-1

4-in-1

3-in-1

5-in-1 provides filtered boiling, chilled and sparkling water delivered through the HydroTap PLUS hot and cold (ambient) through the mixer tap.

4-in-1 provides filtered boiling and chilled (or ambient) water delivered through the HydroTap PLUS hot and cold (ambient) through the mixer tap.

3-in-1 provides filtered boiling water delivered through the HydroTap PLUS hot and cold (ambient) through the mixer tap.

Product Code	Maximum boiling cups/hr	Maximum chilled glasses/hr	Power rating kW@230V	Dimensions W x D x H (mm)
3-in-1 (filtered boiling PLUS hot and cold through a separate mixer)				
BH160G4	160	N/A	1.90	280 x 313 x 335
BH240G4*	240	N/A	1.90 + 2.20	280 x 313 x 335
4-in-1 (filtered boiling & chilled PLUS hot & cold through a separate mixer)				
BCH160/175G4	160	175	2.20	450 x 470 x 335
BCH240/175G4*	240	175	2.20+ 2.20	450 x 470 x 335
4-in-1 (filtered boiling & ambient PLUS hot & cold through a separate mixer)				
BAH160G4	160	N/A	1.90	280 x 313 x 335
BAH240G4*	240	N/A	1.90 + 2.20	280 x 313 x 335
5-in-1 (filtered boiling, chilled & sparkling PLUS hot and cold through a separate mixer)				
BCSH160/175G4	160	175	2.30	450 x 470 x 335
BCSH240/175G4*	240	175	2.30 + 2.20	450 x 470 x 335

* These Zip HydroTap G4 models are installed with a 2.2kW, externally mounted booster unit and must be connected to two separate 13 amp power supplies.

Zip HydroTap® All-in-One (Commercial)

Boiling, chilled and sparkling filtered drinking water PLUS hot, cold (ambient) or mixed warm water – all from one tap

Features & benefits

- Offers all of the advantages of a standard HydroTap plus these additional benefits.
- Replaces mixer taps to declutter and simplify kitchen design.
- Vented systems save space, cost and energy by eliminating the need for a separate hot water supply.
- Separate drinking water controls for convenience and safety.
- Vented and non-vented systems available.

Choice options

See table on page 23

Finishes

This model is available in 4 tap finishes:
Bright Chrome (standard)
Gloss Black
Matt Black
Satin Chrome
Matching fonts are also available
See page 31 for details

Boiling system

Open outlet, vented; factory set to operate at 98°C.
The boiling temperature can be adjusted from 100°C to 68°C.
Flow rate - 4.0 l/min

Chilling system

Fan-cooled condenser type, factory set to operate at 5-14°C.
Flow rate - 4.0 l/min
Refrigerant R134A.

Mixer Flow

The mixer tap will deliver up to 3ltr/min, ideal for rinsing cups and handwashing.

Tap head

Long reach spout swings through 120° to make use at the sink, for washing up, much easier.

Under-counter Command Centre

For 160/175 & 240/175 models

For 100/75 & 140/75 models

Product Code	Maximum boiling cups/ hour	Maximum chilled glasses/ hour	Power rating kW@230V	Dimensions W x D x H (mm)
Boiling & chilled with non-vented mixer tap (hot & cold feed)				
AN100/75G4	100	75	2.05	280 x 470 x 335
AN140/75G4*	140	75	2.05 + 2.20	280 x 470 x 335
AN160/175G4	160	175	2.20	450 x 470 x 335
AN240/175G4*	240	175	2.20 + 2.20	450 x 470 x 335
Boiling & chilled with vented mixer tap (cold feed only - no hot supply needed)				
AV100/75G4	100	75	2.05	280 x 470 x 335
AV140/75G4*	140	75	2.05 + 2.20	280 x 470 x 335
AV160/175G4	160	175	2.20	450 x 470 x 335
AV240/175G4*	240	175	2.20 + 2.20	450 x 470 x 335
Boiling, chilled & sparkling with non-vented mixer tap (hot & cold feed)				
SAN100/75G4	100	75	2.15	280 x 470 x 335
SAN140/75G4*	140	75	2.15 + 2.20	280 x 470 x 335
SAN160/175G4	160	175	2.30	450 x 470 x 335
SAN240/175G4*	240	175	2.30 +2.20	450 x 470 x 335
Boiling, chilled & sparkling with vented mixer tap (cold feed only - no hot supply needed)				
SAV100/75G4	100	75	2.15	280 x 470 x 335
SAV140/75G4*	140	75	2.15 + 2.20	280 x 470 x 335
SAV160/175G4	160	175	2.30	450 x 470 x 335
SAV240/175G4*	240	175	2.30 + 2.20	450 x 470 x 335

* These Zip HydroTap G4 models are installed with a 2.2kW, externally mounted booster unit and must be connected to two separate 13 amp power supplies.

Zip HydroTap® in Industry

Heavy duty designs for industrial environments and institutions

Features & benefits
Offers all of the advantages of a standard HydroTap plus these additional benefits.

Super strong tapered shank anchor (side touch models).

Damage-resistant side or top touch buttons.

Simple 2-button without safety lock.

Optional 3-button with safety lock.

Can be installed R/H or L/H.

Up to 240 boiling cups per hour.

Up to 175 chilled glasses per hour.

Side touch variant (primarily for use in high security locations, such as prisons)) has a high strength tapered base which fastens to an undersink clamp block with a reinforcing spine.

Choice options
See panel on page 25

Boiling system
Open outlet, vented; factory set to operate at 98°C.
The boiling temperature can be adjusted from 100°C to 68°C.
Flow rate - 4.0 l/min

Chilling system
Fan-cooled condenser type, factory set to operate at 5-14°C.
Flow rate - 4.0 l/min
Refrigerant R134A.

Tap Head
Chrome plated.

N.B. For general installation and specification details of the HydroTap range see page 10.

Visit www.zipheaters.co.uk/downloads

Under-counter Command Centre

Product Code	Maximum boiling cups/ hour	Maximum chilled glasses/ hour	Power rating kW@230V	Dimensions W x D x H (mm)
Side-touch model				
IS160/175G4	160	175	2.20	450 x 470 x 335
IS240/175G4*	240	175	2.20 + 2.20	450 x 470 x 335
Top-touch model				
IT160/175G4	160	175	2.20	450 x 470 x 335
IT240/175G4*	240	175	2.20 + 2.20	450 x 470 x 335

Zip HydroTap® for the Home

Instant boiling, chilled and sparkling filtered water systems for home kitchens, large and small, traditional or contemporary.

Now available with new G4 technology.

Features and benefits

- No more waiting for water to boil.
- No more bottled water to buy.
- Easy to use.
- 0.2 micron filtration for great tasting healthy water.
- Scale management filter option.
- Can be sited next to sink or on optional font and drain.
- Both the boiling and chilled water systems are pumped for correct water temperature delivery, plus no wasted water.
- Even more energy efficient.
- Integral child safety lock.
- Tap levers can be 'locked' for filling of large vessels.
- Measured dispense when levers are in upright position.
- Power-pulse energy saving technology.
- Sleep mode to save power.
- Integral 24/7 timer.

Models available

Boiling, chilled and sparkling filtered water.

Boiling and chilled filtered water.

Boiling and cold (ambient) filtered water.

Boiling filtered water.

Chilled filtered water.

All-in-One model with boiling, chilled,hot and cold water and now sparkling from one tap.

4-in-1, providing boiling and chilled water, hot and cold water to separate mixer tap (provided). See options on page 20.

Taps

All taps, except for the DOMSAN4, DOMAN4, DOMHBH4, DOMBAH4. DOMBCH4 and DOMBCSH4 models are available with the option of different finishes to the standard chrome. (See page 31)

The separate mixer tap is available in three types. (See page 20).

Warranty

3 years on site parts and labour with additional 3 years on the boiling tank. For full details visit: www.zipheaters.co.uk/warranty

On sink installation

Installation using the optional font and drain

Under-counter Command Centre

Product Code	Boiling	Chilled	Sparkling	Hot & cold (for mixer facility)	Dimensions W x D x H (mm)
DOMBCS4	Yes	Yes	Yes	No	280 x 470 x 335
DOMBC4	Yes	Yes	No	No	280 x 470 x 335
DOMSAN4	Yes	Yes	Yes	Yes - with integral mixer. Requires hot and cold feeds	280 x 470 x 335
DOMAN4	Yes	Yes	No	Yes - with integral mixer. Requires hot and cold feeds	280 x 470 x 335
DOMBA4	Yes	Ambient	No	No	280 x 313 x 335
DOMHB4	Yes	No	No	No	280 x 313 x 335
DOMCS4	No	Yes	Yes	No	280 x 389 x 335
DOMC4	No	Yes	No	No	280 x 389 x 335
DOMHBH4	Yes	No	No	Yes - with separate mixer tap	280 x 470 x 335
DOMBAH4	Yes	Ambient	No	Yes - with separate mixer tap	280 x 470 x 335
DOMBCH4	Yes	Yes	No	Yes - with separate mixer tap	280 x 470 x 335
DOMBCSH4	Yes	Yes	Yes	Yes - with separate mixer tap	280 x 470 x 335

HydroTap for the home

Zip HydroTap®

Miniboil Classic & Elite

Super compact economy models for filtered boiling and filtered cold (ambient) water for the home

Models available

- Boiling and cold (ambient) filtered water with Classic tap.
- Boiling and cold (ambient) filtered water with Elite tap.

Features and benefits

- No more waiting for water to boil.
- Easy to use touch pads.
- 0.2 micron filtration for great tasting healthy water.
- Scale management filter option.
- Can be sited next to sink or on optional font and drain.
- Inactivity sleep mode.
- Filter change indicator.
- Cool-touch tap.
- Compact size makes it ideal for kitchens with limited space.
- Highly energy efficient.
- Safety interlock.
- Power-Pulse™ technology.

Filtration

Supplied with external triple action 0.2 micron filter.

Additional anti-scale filtration option.

Warranty

12 months on site parts and labour warranty. These products are designed for use in domestic environments and their use commercially may invalidate the warranty

Visit www.zipheaters.co.uk/download

Zip Miniboil Elite

Zip Miniboil Classic

Miniboil shown font mounted

Product Code	Tap style	Boiling	Ambient	Rating (kW@230V)	Dimensions W x D x H mm
MB1BA	Classic	•	•	1.5	212 x 272 x 338
MB2BA	Elite	•	•	1.5	212 x 272 x 338

Zip HydroTap® Options

Finishes

Traditional Zip HydroTap and fonts are available in standard Bright chrome and a choice of three additional finishes.

Not available for Industrial, 3-in-1, 4-in-1 and 5-in-1 models.

Gloss Black
Add 'B' to normal code when ordering.

Matt Black
Add 'M' to normal code when ordering.

Satin Chrome
Add 'S' to normal code when ordering.

Font and Drain*
Zip HydroTap can be ordered with a matching font and drain for mounting remotely from the sink.

Order Codes:

ZT008 – Standard Chrome

ZT009 – Satin Chrome

ZT010 – Gloss Black

ZT012 – Matt Black

*Not for use with All-in-One.

Drainless Font
For locations where there is no available drainage, the Zip "Drainless Font" system ensures the safe and effective collection of waste water from a HydroTap font.

Order Code: ZT006

Over sized levers

All HydroTap models, except for models in the All-in-One, Industrial and Miniboil ranges, can be fitted with oversize levers to assist those with restricted dexterity.

Order Codes: Add 'D' to normal order code

Braille covers

To aid those with sight issues Braille covers can be fitted to these levers.

Order Codes:

SP99910 – Boiling/chilled

SP99911 – Boiling only

SP99912 – Chilled only

Sparkling consumables

Order Codes:

ZT400 – CO_2 canister (single).
ZT401 – CO_2 regulator

Zip HydroTap® Filtration

All HydroTap products NOW feature .02 micron filtration

New Zip 0.2 micron filters reduce chlorine taste and odour, filtering out particles more than one fifth of a micron in size – that's one five-thousandth (1/5000th) of a millimetre – twenty five times finer than commonly used 5.0 micron filters, designed to filter out both Cryptosporidium and Giardia cysts and other impurities, for crystal-clear great-tasting water and healthier drinking.

This is arguably the most advanced and most practical water filtration system available anywhere today, developed to meet our exacting specifications by the world leader in water filter technology.

Zip 0.2 micron filter cartridges are incorporated into the Zip HydroTap installation under the sink, or out of sight within the Zip HydroTap command-centre installed beneath the tap.

Zip 0.2 micron filter cartridges are hygienically encased for fast and easy filter cartridge replacements. A white light on the tap will flash to indicate that the filter requires changing.

Zip HydroTap 'filter change light' flashes when a filter change is due. It can be set to measure both water volume and the number of days in service, signalling whichever occurs first.

Scale Management

Recommended for use when the water hardness level is above 4 degrees Clark (60 parts per million CaCO3).

- Triple action filtration
  - Ion exchange resin to reduce water hardness
  - Carbon block to improve taste and odour
  - High efficiency filtration to remove particulates
- Choice of four filters to suit various applications
- Can be installed horizontally if required using optional bracket

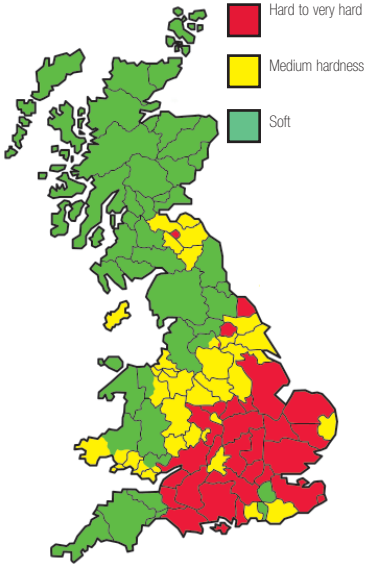
Choice of four filters:

- FL1100 with submicron filtration for domestic use.
- FL2300 with one micron filtration for light commercial use.
- FL3600 with one micron filtration for normal commercial use.
- FL6000 PLUS with one micron filtration for heavy commercial use.
- For initial installation each filter has a dedicated installation kit, which includes the head, all necessary push fit components.

The Order Codes are:
FL1100G4 KIT
FL2300G4 KIT
FL3600G4 KIT
FL6000G4 PLUS KIT

Zip Professional Range
High performance limescale filtration system for use with Zip HydroTap

UK Scale map



N.B. Check with local water authority for accurate data

Overview

Wall mounted instant boiling water

Zip Hydroboil Plus
Zip Hydroboil
Zip Econoboil

Instant boiling water heaters are essential appliances for the workplace and are available in the widest range of models and capacities.

Saves time
No more time wasted waiting for water to boil—Zip delivers boiling water instantly, at the touch of a tap.

Saves energy
No energy is wasted boiling more water than needed—fingertip control gives a cup full or teapot full at a time.

Saves space
No cluttered worktops—Zip instant boiling water eliminates the need for kettles and exposed power leads.

Saves money
Costs little to run—thanks to energy-efficient design and electronic controls (Hydroboil Plus) to minimise power consumption.

Sets a new standard
Every working day in the UK over eight million cups of tea and coffee are made using Zip instant boiling water systems.

Temperature control
Zip's patented high precision temperature control systems are designed to keep the boiling water within one degree of the set temperature. This means that boiling water and only boiling water is delivered.

Ranges
Zip offers a choice of three ranges:

Hydroboil Plus

Thermostatically controlled, twin chamber technology with stainless steel boiling tank.

Premium insulation and cool touch two way tap with safety lock.

Energy saving Power-Pulse™

Sleep mode - after 2 hours of no demand or when lights turned off.

Integral 24 hour 7 day timer.

Available in sizes from 3.0 to 40.0 litres.

White or stainless steel finishes.

Hydroboil

Thermostatically controlled, twin chamber technology with stainless steel boiling tank.

Premium insulation and chrome catering style tap.

Available in sizes from 1.5 to 40.0 litres.

White or stainless steel finishes.

Econoboil

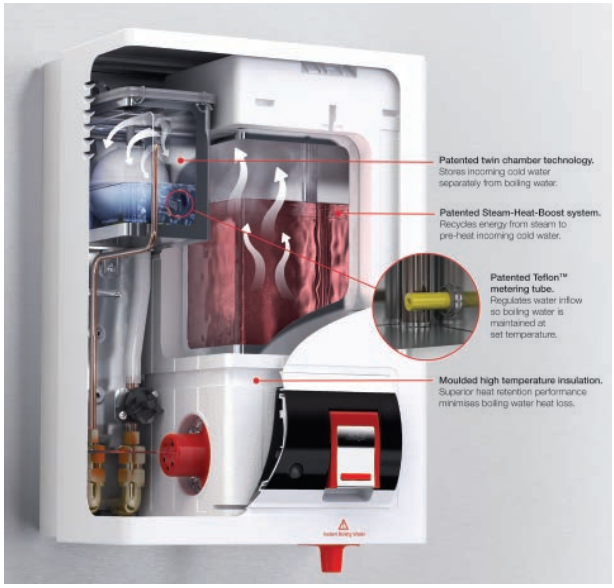
Thermostatically controlled, twin chamber technology with copper boiling tank.

Tontine insulation.

Chrome catering style tap.

Available in 3.0 & 5.0 litres.

White finish.


Patented twin chamber technology.
Stores incoming cold water separately from boiling water.
Patented Steam-Heat-Boost system.
Recycles energy from steam to pre-heat incoming cold water.
Patented Teflon™ metering tube.
Regulates water inflow so boiling water is maintained at set temperature.
Moulded high temperature insulation.
Superior heat retention performance minimises boiling water heat loss.

Zip Hydroboil Plus cuts energy consumption in 5 ways

Steam-Heat-Boost System
Steam from boiling water is recycled to pre-heat incoming cold water. A patented metering tube maintains the stored water within 1°C of set temperature.

Power-Pulse™ energy saving technology
Applies full power only during heavy usage periods cutting back to micro-pulse power during light usage or when unused — not available on 40 litre model.

Inactivity sleep mode
After 2 hours of non-use Hydroboil Plus enters sleep mode, allowing the water temperature to reduce to 65° at which it is maintained until next draw-off.

Low light sleep mode
When activated, an integral light detector activates this facility when room light is switched off and the unit enters sleep mode as above.

Integral 24 hour 7 day timer
Switches system off during known periods of inactivity, returning to full functionality ahead of next expected demand.

Zip Hydroboil Plus

Wall mounted instant boiling water

3, 5, 7.5, 10, 15, 25, 40 litre

Heating element
Long-life incoloy sheathed embedded rod type. Dry start protection.

Boiling chamber
Twin chamber-stainless steel. Steam-Heat-Boost technology. Crevice-free stainless steel with removable access ports, top and bottom.

Insulation
Compressed high temperature insulation panels on sizes below 10 litres, engineered for easy boiling chamber access. High efficiency aluminium backed mineral wool insulation on other sizes.

Thermostat
Thermistor controlled.

Case
Stainless steel or corrosion-resistant, white enamelled steel.

Temperature Settings
On installation, to suit user needs, the boiling water temperature can be adjusted from 100˚C to 68˚C.

Control Panel
Liquid Crystal Display shows time, day, heater operation and energy saving mode status.

Tap
Unique two-way cool touch tap.

Safety features
Integral safety lock.

Approvals
WRAS, CE endorsed.

Warranty
Two-year on site parts and labour. For full details of the Zip Warranty visit: www.zipheaters.co.uk/warranty

Installation
Install over a draining board, or work top fitted with a drip tray. Tap spout should be no higher than necessary to fill large pots. Minimum tap height above draining board for on-wall fitting is 200mm.

Plumbing
Designed for direct connection to a potable cold water supply with a minimum pressure of 0.7 bar. If pressure exceeds 7 bar a pressure limiting valve must be fitted. An isolating valve should be installed between the water supply and the heater.

Concealed plumbing
Connect inlet and vent pipes from the rear via 15mm capillary elbows.

Exposed plumbing
Connect inlet and vent pipes from below directly to 15mm compression fittings.

Venting
The vent must discharge to a safe visible position using a tundish.

Electrical
To be wired to a double pole fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Caution
In some hard water areas where scale is an issue we recommend the fitting of the Zip Inline filter.

Energy Conservation

The installer can select one of two programmable energy saving modes –

- Integral 24 hour 7 day timer enables the unit to switch off automatically during known periods of inactivity e.g. overnight or at weekends, returning to full functionality ahead of the next expected demand.

Sleep Modes

- Inactivity Sleep Mode. Following a period of 2 hours non-use Hydroboil Plus automatically enters sleep mode when the unit powers down allowing the water temperature to gradually reduce to 65˚C, at which it is maintained. Upon further draw off boiling resumes.

  and/or

- Low light Sleep Mode. An integral light detector automatically activates sleep mode (as above) when room lights are switched off, returning to normal operation when the next draw off occurs or the lighting is switched back on.

Zip Hydroboil Plus with cool touch tap an energy saving features

Product Code Case Finish s/steel	white	Capacity litres	Delivery cups* at any one time	Recovery cups* per hour	Rating kW@230V	Dimensions W x D x H (mm)
HP103	HP003	3.0	18	100	1.5	289 x 180 x 431
HP105	HP005	5.0	30	140	2.4	318 x 198 x 465
HP107	HP007	7.5	45	140	2.4	318 x 198 x 578
HP110	HP010	10.0	60	180	3.0	390 x 244 x 600
HP115	HP015	15.0	90	180	3.0	390 x 299 x 600
HP125	HP025	25.0	150	180	3.0	390 x 299 x 780
HP140	HP040	40.0	240	240	2 x 3.0	515 x 284 x 840

* Standard cup size 167ml

Zip Hydroboil®

Wall mounted instant boiling water

1.5, 3, 5, 7.5, 10, 15, 25, 40 litre

Heating element
Long-life incoloy sheathed embedded rod type.
Dry start protection.

Boiling chamber
Twin chamber-stainless steel.
Steam-Heat-Boost technology.
Crevice-free stainless steel with removable access ports, top and bottom.

Insulation
Compressed high temperature insulation panels on sizes below 10 litres, engineered for easy boiling chamber access. High efficiency aluminium backed mineral wool insulation on other sizes.

Thermostat
Capillary type.

Case
Stainless steel or corrosion resistant white enamelled steel.

Tap
Two way, chrome-plated classic, catering style.

Approvals
WRAS, CE endorsed.

Warranty
Two-year on site parts and labour. For full details of the Zip Warranty visit: www.zipheaters.co.uk/warranty

Installation
Install over a draining board, or work top fitted with a drip tray. Tap spout should be no higher than is necessary to fill large pots. Minimum tap height above draining board for on-wall maintenance is 200mm.

Plumbing
Designed for connection to a potable cold water supply with a minimum pressure of 0.7 bar. If pressure exceeds 7 bar a pressure limiting valve must be fitted. An isolating valve should be installed between the mains supply and the system.

Concealed plumbing
Connect inlet and vent pipes from the rear via 15mm capillary elbows.

Exposed plumbing
Connect inlet and vent pipes from below directly to 15mm compression fittings.

Venting
The vent must discharge to a safe and visible position using a tundish.

Electrical
To be wired to a double pole fused spur, minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Caution
In some hard water areas where scale is an issue we recommend the fitting of the Zip Inline filter.

Zip Hydroboil with Classic tap

Product Code Case Finish s/steel	white	Capacity litres	Delivery cups* at any one time	Recovery cups* per hour	Rating kW@230V	Dimensions W x D x H (mm)
-	HS001	1.5	9	100	1.5	289 x 180 x 335
-	HS003	3.0	18	100	1.5	289 x 180 x 431
HS105	HS005	5.0	30	140	2.4	318 x 198 x 465
HS107	HS007	7.5	45	140	2.4	318 x 198 x 578
HS110	HS010	10.0	60	180	3.0	390 x 244 x 600
HS115	HS015	15.0	90	180	3.0	390 x 299 x 600
HS125	HS025	25.0	150	180	3.0	390 x 299 x 780
HP140	HP040	40.0	240	240	2 x 3.0	515 x 284 x 840

* Standard cup size 167ml

Zip Econoboil®

Wall mounted instant boiling water

3 & 5 litre

Heating element
Embedded rod type.

Boiling chamber
Twin chamber in copper.
Steam-Heat-Boost technology.

Insulation
Aluminium backed Tontine.

Thermostat
Capillary type.

Case
Corrosion resistant white enamelled steel.

Tap
Two way, chrome-plated classic, catering style.

Approvals
WRAS, CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty visit: www.zipheaters.co.uk/warranty

Installation
Install over a draining board, or work top fitted with a drip tray. Tap spout should be no higher than is necessary to fill large pots. Minimum tap height above draining board for on-wall maintenance is 200mm.

Plumbing
Designed for connection to a potable cold water supply with a minimum pressure of 0.7 bar. If pressure exceeds 7 bar a pressure limiting valve must be fitted. An isolating valve should be installed between the mains supply and the system.

Concealed plumbing
Connect inlet and vent pipes from the rear via 15mm capillary elbows.

Exposed plumbing
Connect inlet and vent pipes from below directly to 15mm compression fittings.

Venting
The vent must discharge to a safe and visible position using a tundish.

Electrical
To be wired to a double pole fused spur, minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Caution
In some hard water areas where scale is an issue we recommend the fitting of the Zip Inline filter.

Zip Econoboil the low cost boiling water solution for locations where economy is of the essence

Product Code Case Finish s/steel	white	Capacity litres	Delivery cups* at any one time	Recovery cups* per hour	Rating kW @230V	Dimensions W x D x H (mm)
-	HS503	3.0	18	100	1.5	289 x 180 x 431
-	HS505	5.0	30	140	2.4	318 x 198 x 465

* Standard cup size 167ml

Zip Duo®

Boiling and chilled filtered water

On-wall fixing or counter-mounted on stand provided

Delivery rate
Up to 100 cups of boiling and 35 glasses of chilled water at a time.

Recovery rate
Up to 217 boiling cups/hour. 90 chilled glasses/hour.

Case
Stainless steel or corrosion-resistant, white enamelled steel.

Taps
Two way, classic style catering taps.

Filtration
Integral 0.2 micron filtration.

Control panel
For programming sleep mode, timer and water temperature.

Refrigerant
R134A.

Approvals
CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Temperature Settings
On installation, to suit user needs, the boiling water temperature can be adjusted from 100˚ to 68˚C.

Location
The unit should be positioned either on a suitable load bearing wall capable of supporting 42kg - 5 litre, 64kg - 15 litre or on the counter mounting stand supplied. The unit must have a minimum 150mm clearance on the left, 50mm on the right and 150mm on top.

Minimum tap height, if wall mounted should be 200mm above work surface. The vent must discharge to a safe and visible place.

Plumbing
The water supply must be potable (drinkable).

If static pressure exceeds 7 bar, a pressure reducing valve must be fitted. An isolating valve should be installed between the water supply and the unit.

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps (3.5kW 15 amp). Installation must comply with current IEE regulations.

HD215 & HD315 should be provided with their own dedicated supply.

Caution
In some hard water areas where scale is an issue we recommend the fitting of the Zip Professional Range of High Performance Scale Filters (see page 33).

Energy Conservation

A choice of two programmable energy saving modes –

- Integral 24 hour 7 day timer to enable the boiling and chilled units to switch automatically off during known periods of inactivity e.g. overnight or weekends but return to full functionality ahead of the next expected demand.
- Inactivity sleep mode enables the boiling water unit to power down automatically following a period of 2 hours non-use. This allows the water temperature to gradually reduce to 65˚C, at which it is maintained. Upon further draw off boiling resumes.

Zip Duo

Product Code	Case finish	Delivery any one time cups*	Delivery any one time glass	Recovery per hour cups*	Recovery per hour glass	Weight kg (full)	Rating kW @230V	Dimensions W x D x H (mm)
HD005	White	30	35	120	90	42	2.0	650 x 280 x 430
HD105	S/Steel	30	35	120	90	42	2.0	700 x 350 x 580
HD015	White	100	35	140	90	64	2.3	700 x 350 x 580
HD115	S/Steel	100	35	140	90	64	2.3	700 x 350 x 580
HD215	White	100	35	217	90	64	3.5	700 x 350 x 580
HD315	S/Steel	100	35	217	90	64	3.5	700 x 350 x 580

* Standard cup size 167ml

Zip Accessories
Boiling water

Hydroboil Extra Tap Kits
(tap extension pipework)
ZC100 For 10, 15 and 25 litre heaters, up to 2 taps (excludes taps).

SP90502 Tap for above.

Inline Filters
FL064 6" filter for taste and odour removal with scale reduction.
For use with Hydroboil up to 7.5 litre.

FL104 10" filter for taste and odour removal with scale reduction. For use with Hydroboil 10 litre and above.

Mug Racks
ZE010 Stainless steel
(for Classic Tap models only).

ZE011 Stainless steel
(for Hydroboil Plus models only).

Drip Trays
ZD200 Stainless steel (with drain adaptor).

Drip Tray dimensions
W: 340mm x D: 190mm x H: 20mm
with a 19.5mm drainage access

Zip Accessories
Boiling water

Cup Dispensers
ZE001 Stainless steel.
ZE002 White plastic.

Counter Stands
ZE004 - HS001.
ZE006 - HS003.
ZE007 - HS005, HS105, HP005, HP105
ZE008 - HS007, HS107, HP007, HP107

Tundish
ZD100 Wall mounted chromed tundish.
ZD101 Sink mounted chromed tundish.

Universal Mounting Bracket
When a Zip Hydroboil replaces a Heatrae Sadia, Calomax or Instanta product this bracket may be used to secure the Hydroboil using existing fixings.

ZP001 3 and 5 litre.
ZP002 7.5 litre.

Zip Water Block

Recommended to be fitted in the water supply line to all Zip products (except HydroTap) to minimise the potential damage in the event of leakage.

HE45004

Wall mounted instant boiling water - Accessories

Overview
Chilled, filtered water

Zip HydroTap
Zip FilterTap
Zip ChillTap
Zip Chillmaster
Zip Chill Fountain
Zip Wall Fountain

Zip's mains fed chillers are designed for the workplace environment, to provide healthy, fresh filtered drinking water.

Features and benefits

- Provides drinking water at a fraction of the cost of bottled water.
- No more bottled water to buy.
- No more bottled water to store.
- No more bottled water to handle.
- No more environmental issues associated with bottled water.
- No more running out of drinking water during periods of high demand such as hot weather.
- Now feature the most technically advanced 0.2 micron filtration system for healthier, better tasting drinking water.

Good hydration at work

Water is a vital nutrient for life. Everybody wants to be healthy at work and a healthier workforce leads to improved efficiency. Even mild levels of dehydration adversely affect both physical and mental performance.

There is currently no agreement on how much water we should drink each day but estimates range from 1.2 to 3 litres per day.

The need for consumption at the top of these estimates would apply to those working in hot or dusty environments or where there is a need to wear protective clothing.

Access to drinking water

The law requires that employers provide an adequate supply of wholesome drinking water for all persons in the workplace. This must be readily available at suitable places. Drinking water should not be sited where contamination is likely such as toilet or washroom facilities.

More information is available from the Health and Safety Executive by visiting: www.hse.gov.uk
(Source: www.water.org.uk)

Zip HydroTap®

Filtered chilled water system

Features and benefits

- Provides chilled filtered water, instantly.
- Eliminates the need for expensive and environmentally damaging bottled water.
- Eliminates the need to store or handle bottled water.
- Eliminates the fear of running out of drinking water in extreme weather conditions or other periods of high demand.
- Can be sited a a sink, or away from it on the optional font and drain.
- Free-Flow™ facility, ensuring cold filtered water continues to be available even when the 'chilled glasses per hour' capacity is exceeded.

Choice options

C125G4

C175G4

Location

Fan-cooled condensor type

Refrigerant

R134A

Temperature settings

The chilled water temperature is factory set to deliver water at between 5°C to 14°C.

N.B.

For general installation and specification details of the HydroTap range see page 10.

Under-counter Command Centre

Energy Conservation

Programmable operation

- Integral 24 hour 7 day timer enables the chilled water unit to switch-off automatically during known periods of inactivity e.g. overnight or weekends, but return to full functionality ahead of the next expected demand.

Product Code	Maximum chilled glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
C125G4	125	0.2	336 x 476 x 335
C175G4	175	0.25	336 x 476 x 335

Chilled drinking water

Zip ChillTap® & ChillTap® Extra
Commercial

Features and benefits

- Stylish tap.
- Fingertip control for filling glasses.
- Hands-free filling for large jugs and bottles.
- Superior 0.2 micron filtration.
- Filter change every 12 months.
- 140 glasses per hour.

Zip ChillTap
CT1/140
Chilled filtered water instantly.

Zip ChillTap Extra
CT2/140
Chilled filtered water instantly and cold (ambient) filtered water.

Shown on optional font—ZT008.

Zip ChillTap Sparkling
CS125+
Chilled or sparkling filtered water instantly.

Shown on optional font—ZT008.

Product Code	Maximum chilled glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
CT1/140	140	0.45	353 x 291 x 385
CT2/140	140	0.45	353 x 291 x 385
CTS125+	125	0.2	353 x 248 x 369

Zip Chilltap®

Under-sink chiller

Filtered drinking water

Features and benefits

- Great tasting freshly filtered cool drinking water for fitting on a sink.
- Filters out dirt, rust and other particles contaminating drinking water.
- Reduces chlorine and other offensive water treatment chemicals.
- Delivers up to 140 glasses per hour.
- 0.2 micron filtration.

Storage capacity
Nominal 8 glasses.

Output capacity
Up to 140 glasses per hour at <10°C.

Rating
0.3 kW @ 230V AC.

Chiller type
Fan cooled condenser with a compressor rated at up to 0.25 hp.

Refrigerant type
Non-toxic R134A.

Under-sink case
Corrosion resistant white enamelled steel.

Sink mounted tap
Chrome plated brass with lever action tap and swivel head.

Filtration
0.2 micron fully encapsulated externally mounted double action carbon filter.

Approvals
WRAS, CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Installation
The tap should be:

Positioned to the rear of a sink.

Mounted on a flat surface.

Mounted at 45 degrees to the edge of the sink so it drains into the sink when running.

The under-sink chiller must be:

Located as closely as possible to, and directly beneath the tap.

Installed with clearances of 50mm left, right and above, with 65mm to rear.

Filter should be:

Mounted where readily accessible on the chiller or on the adjacent cupboard wall.

Plumbing
Water connections 15mm push-fit.

If the water pressure is above 7 bar a pressure reducing valve (AQ3) should be fitted

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Product Code	Maximum chilled glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
Zip Chilltap undersink, sink mounted tap			
CH103	140	0.45	355 x 290 x 385

Chilled drinking water

Zip Chillmaster®

Floor standing and wall mounted chiller

Filtered drinking water

Features and benefits

- Great tasting freshly filtered cool drinking water for high usage and public access areas.
- Heavy duty, easy-to-clean stainless steel bowl and stainless steel case.
- Filter change reminder light signals when filter cartridge replacement is due.
- Filter cartridges are quick and simple to change.
- Submicron filtration.

Storage capacity
Nominal 8 glasses.

Output capacity
140 glasses per hour at <10ºC.

Rating
0.3 kW @ 230V.

Chiller type
Fan cooled condenser with a compressor rated at 0.25 hp.

Carafe filler
Chrome plated brass lever action tap with swivel head.

Optional Taps
Bubbler or Push Button (see page 64).

Refrigerant type
R134A.

Case
Brushed finish stainless steel with front access panel.

Filtration
0.2 micron filtration.

Drain connection 38mm or 43mm diameter.

Approvals
WRAS, CE endorsed.

BREEAM compliance
The Zip Chillmaster is fully BREEAM compliant when fitted with ZG500 fitting kit (see page 65).

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Installation
Water, drainage and power should all be available nearby.

The chiller should be mounted on a level surface (levelling feet are provided).

The chiller must be installed with clearances of 50 mm left, right and 65mm at rear (except on wall mounted).

The optional kit ZG500, gives BREEAM compliance by ensuring services are protected from vandalism and the chiller securely fixed to the wall and floor.

Wall mounted Chillmaster supplied with ½" masonry anchors for use on solid walls only.

Plumbing
Water connections 15mm push-fit.

If water pressure is above 7 bar, a pressure reducing valve (AQ3) should be used (see page 84).

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Product Code	Maximum chilled glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
Zip Chillmaster, floor standing			
CH101	140	0.45	350 x 350 x 915
Zip Chillmaster, wall mounted			
CH102	140	0.45	353 x 248 x 369

Chilled drinking water

Zip Wall Fountain®

Recessed chiller

Filtered drinking water

Features and benefits

- Recessed chiller ideal for providing chilled filtered water where space is at a premium.
- Perfect for installing in busy corridors.
- 0.2 micron filtration.

Storage capacity
Nominal 8 glasses.

Output capacity
Rated at 140 glasses per hour at <10ºC.

Rating
0.3 kW @ 230V.

Chiller type
Fan cooled condensor with a compressor rated at 0.25 hp.

Refrigerant type
R134A.

Configuration
Equipped with carafe filler and bubbler.

Case
Brushed finish stainless steel with lockable front access panel.

Filtration
Complete with 0.2 micron fully encapsulated double action carbon filter.

Approvals
WRAS, CE endorsed.

BREEAM compliance
The Zip Wall Fountain is fully BREEAM compliant when installed as per fitting instructions.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Installation
The chiller should be recessed into a wall where it is easy for users to access.

Water, drainage and power should all be available nearby.

Integral, removable drip tray can be plumbed into waste if required.

Plumbing
Water connections 15mm push-fit.

If water pressure is above 7 bar a pressure reducing valve (AQ3) should be used *(see page 84)*.

Electrical

To be wired to a double fused switched spur, with a minimum breal capacity of 13 amps. Installation must comply with current IEE regulations.

Availability
Allow 12 week lead time.

Product Code	Maximum chilled glasses/hour	Power rating kW@230V	Dimensions W x D x H (mm)
Zip Wall Fountain			
CH104	140	0.45	635 x 303 x 1670

Chilled drinking water

Zip Chill Fountain®

Wall mounted chiller

Filtered drinking water

Features and benefits

- The perfect heavy duty solution for public areas where configurations for adults, children or wheelchair access may be necessary.
- Bump action electronic controls for wheelchair usage and lockable front panels.
- Heavy duty, easy-to-clean stainless steel bowls and stainless steel case.
- Can be configured for adult, child or wheelchair usage.
- 0.2 micron filtration.

Storage capacity
Nominal 8 glasses.

Output capacity
Rated at 140 glasses per hour at <10°C.

Rating
0.3 kW @ 230V.

Refrigerant type
R134A.

Chiller type
Fan cooled condensor with a compressor rated at 0.25 hp.

Configuration
Can be configured for adult, child or wheelchair use or any combination of these.

Case
Brushed finish stainless steel case with lockable front access panel.

Filtration
Complete with submicron fully encapsulated double action carbon filter.

Approvals
WRAS, CE endorsed.

BREEAM compliance
The Zip Chill Fountain is fully BREEAM compliant when installed as per fitting instructions.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Installation
The chiller should be wall mounted where it is easy for users to access.

Water, drainage and power should all be available nearby.

Integral, removable drip tray can be plumbed into waste if required.

Plumbing
Water connections 15mm push-fit.

If water pressure is above 7 bar ressure ducing valve (AQ3) should be used (see page 84).

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Availability
Allow a 12 week lead time.

Product Code	Product type Single bowl		Dimensions (mm) W x D x H
Zip Chill Fountain - Adult			
CH105	140	0.45	500 x 410 x 1140
Zip Chill Fountain - Child			
CH145	140	0.45	500 x 410 x 1140
Zip Chill Fountain - Wheelchair			
CH115	140	0.45	500 x 410 x 1140
Product Code	**Product type Double bowl**		**Dimensions (mm) W x D x H**
Zip Chill Fountain - Adult / Adult			
CH155	140	0.45	500 x 410 x 1140
Zip Chill Fountain - Child / Child			
CH165	140	0.45	500 x 410 x 1140
Zip Chill Fountain - Wheelchair / Wheelchair			
CH135	140	0.45	500 x 410 x 1140
Zip Chill Fountain - Adult / Child			
CH125	140	0.45	500 x 410 x 1140
Zip Chill Fountain - Adult / Wheelchair			
CH175	140	0.45	500 x 410 x 1140
Zip Chill Fountain - Child / Wheelchair			
CH185	140	0.45	500 x 410 x 1140

Chilled drinking water

Zip HydroTap

Chilled and chilled sparkling water for the Home

Delivery rate
Up to 18 glasses of chilled water at a time.

Rating
0.3 kW @ 230V AC.

Chilling system
Fan-cooled condenser type.

Refrigerant
R134A.

Tap head
Chrome plated, die cast tap body with push and pull levers for electronically controlled water delivery, integral LED indicators.

Disabled 0ption
Oversize lever taps.

Under counter unit
Houses chilled and filtration systems. Corrosion resistant white enamelled steel case, with front access door.

Control panel
Located on under counter unit to control timer and water delivery.

Filtration system
Integral triple-action, 0.2 micron, encapsulated cartridge.

Safety features
Undercounter safe tray with leak detector.

Approvals
CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Installation
The tap should be positioned either on a suitable sink or on a Zip Tap Font. If installing on a sink, the tap should be mounted so that it will dispense into the sink.

The undersink unit should be located if possible directly beneath the tap and not more than 1 metre away. It must be installed with clearances of 50mm left and right and 65mm at rear.

Plumbing
The water supply must be potable (drinkable).

If static pressure exceeds 7 bar, a pressure reducing valve must be fitted. An isolating valve should be installed between the water supply and the under-bench unit.

If water pressure is above 7 bar a pressure reducing valve (AQ3) should be used (see page 84).

Venting
The cupboard containing the chilling unit must be amply ventilated: cupboard doors must be offset all round for ventilation, using buffers provided and the vent fitted (supplied).

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Tap mounted on sink

Tap mounted on optional font and drain ZT008

Undercounter command centre

Energy Conservation

Programmable operation

- Integral 24 hour 7 day timer enables the chilled water unit to switch off automatically during known periods of inactivity e.g. overnight or weekends but return to full functionality ahead of the next expected demand.

Product Code	Chilled sparkling water	Chilled still water	Power rating kW@230V	Dimensions W x D x H (mm)
HydroTap chilled				
DOMC4	NO	YES	0.13	280 x 389 x 335
HydroTap chilled and sparkling				
DOMCS4	YES	YES	0.30	280 x 389 x 335

Chilled Water
For the Home

Features and benefits

- Fingertip control for filling glasses.
- Hands-free filling for large jugs and bottles.
- Superior 0.2 micron water filter.
- Filter change every 12 months.

Zip ChillTap Sparkling

- Chilled filtered water, instantly.
- Plus chilled filtered sparkling water, instantly.

Zip Filter Tap

- Filtered cold (ambient) water

Zip ChillTap Extra

- Chilled filtered water, instantly.
- Plus filtered cold (ambient) water.

Zip Font and Drain

- Allows siting away from the sink
- Connects to waste

Product Code	Sparkling water	Chilled still water	Ambient water	Power rating kW@230V	Dimensions W x D x H (mm)
ChillTap Sparkling					
DOMCTS	YES	YES	NO	0.245	354 x 248 x 369
ChillTap Extra					
DOMCT1	NO	YES	YES	0.245	353 x 253 x 377
ChillTap					
DOMCT2	NO	YES	NO	0.245	353 x 253 x 377
Filter Tap					
DOMFT1	NO	NO	YES	-	-

Chilled water
Accessories

ZE001

Stainless steel dispenser for disposable cups.

ZI001

Optional drinking bubbler.

ZI002

Optional Tap for Chillmaster with push button dispense.

ZD003

Waste water dish for installation where drainage is not available.

Chilled water
Accessories

BREEAM

(BRE Environmental Assessment Method) sets the standard for best practice in sustainable design and has become the de facto measure used to describe a building's environmental performance.

The BREEAM Health and Well Being credit HEA16 (drinking water) requires chillers to be installed in compliance with industry standard.

ZG500 (right) enables the Zip Chillmaster to fully comply with these requirements.

Zip Water Block

HE45004

Recommended to be fitted in the water supply line to all Zip chilled products (except HydroTap) to minimise the potential damage in the event of leakage.

Chilled drinking water - Accessories

Overview
Energy-efficient water heaters

Zip offers one of the widest and most sophisticated ranges available in the UK

Instantaneous

- No standing heat loss, only heats water as required.
- Unlimited supply of hot water - subject to conditions and demand.
- Electronic temperature control automatically compensates for fluctuations in incoming water temperature and pressure.

Choose from:

ES; 2.8, 4.4 & 6.6kW (see pages 70-73).

CEX; 6.6 & 8.8kW (see pages 74-75).

DEX, DEX12 & DBX 18, 21, 24 & 27kW (see pages 76-77).

Unvented

- Fed directly from cold water mains.
- Quicker to install with no need for cold water storage cistern.
- Balanced hot and cold water supplies.
- High performance showering and faster filling baths.
- No special taps needed.

Choose from:

Aquapoint, 5 to 100 litres (see pages 80-81 & 86-87).

Varipoint, 10 to 100 litres (see pages 82-83 & 88-89).

AquaFlo, 90 to 300 litres (see pages 90-93).

Open Vented

- Easy to install.
- Single point of use.
- Overbasin and underbasin variants.
- Overbasin includes spout and valve.
- Underbasin requires vented taps.

Choose from:

Tudor, 5 & 10 litres (see pages 94-95).

Contract, 5 & 10 litres (see pages 96-97).

Cistern Fed Storage

- Can serve multiple outlets.
- Can be installed in ceiling voids.
- Reliable, 'fit and forget' solution.

Choose from:

RCH, 25 to 100 litres (see pages 98-99).

Zip InLine
instantaneous water heating
The inside story

Why Zip InLine instantaneous water heating?

Zip InLine instantaneous water heaters are the most energy efficient way of directly heating water electrically.

Using the very latest German technology, Zip InLine offers a host of Specifier, Installer and End User benefits:

- Unrivalled energy efficiency - no standing heat loss.
- Sophisticated electronic control.
- Unlimited hot water supply.
- Easy to install.
- Compatible with standard tapware.
- Neat compact design.
- Tangible water savings.

Energy efficiency

Zip InLine saves energy by:

- Heating only the water drawn off.
- Avoiding stored water heat losses.

When comparing the energy used over 24 hrs to deliver 75 litres of water at 38°C (assuming 12°C supply) typical savings of 23% can be achieved.

Product	Energy Usage
15 litre storage water heater	3.0kWh
Zip InLine	2.3kWh

N.B. Percentage savings may be less with increased demand but more during periods without draw off.

Bare wire technology

The Zip ES, CEX, DEX and DBX models feature bare wire heating technology using stainless steel elements directly immersed in the water flow path.This system achieves maximum efficiency by means of direct contact with the water flow plus the fastest possible heat up times.

Unlimited supply of hot water *

Zip InLine will deliver a continuous supply at the selected temperature.

Easy installation

Zip InLine products simply connect to standard closed outlet taps without the need for unvented water controls.

Smart design

The unit's compact size enables it to fit neatly and unobtrusively in any location.

Water conservation

Zip InLine is designed for installation close to the point of use, avoiding the need for water to be run off before achieving temperature.

Savings per draw off compared to centralised systems with long pipe runs are as follows:

Traditional system pipe run 15mm	Litres saved per draw off
10 metres	3.2

* Subject to sufficient power being available to achieve the required temperature and outlet flow under local conditions.

Zip InLine ES® NEW model

Electronic instantaneous water heater

Single outlet for hand washing

Features and benefits

- Compact electronically controlled instantaneous water heater for hand washing.
- Bare-wire for fast heat up.
- Innovatively designed appliance that heats the water automatically as it flows through.
- No standing heat losses.
- Heating power automatically adjusted to compensate for variable inlet pressure and temperature.
- Supplied with 700mm of pre-wired cable.
- Outlet temperature factory set to 38°C, but can be installer adjusted between 30°C to 45°C.
- Intended for use with taps having removable M22/M24 nozzles.
- External flow regulation.
- Easier servicing.
- Easy to install with re-designed, improved wall bracket.

Operation
Heating power is switched on automatically once the minimum flow rate is exceeded.

Rating
ES3 2.8kW @230V
ES4 4.4kW @230V
ES6 5.5kW @230V

Heating system
Bare-wire heating system for fast response.

Safety feature
Water temperature electronically controlled to maintain factory setting of 38°C.

Temperature setting
Temperature and flow adjustable at time of installation.

IP rating
IP 25.

Product Selection
Instantaneous water heating is the most efficient available, however, delivered water temperature is dependent on local incoming water temperature and supply voltage. Quoted performance assumes 12°C incoming water temperature and 230V supply.

Case
Impact resistant plastic.

Approvals
WRAS, VDE, CE endorsed.

Taps - Important.
For correct operation it is essential that the special tap nozzle supplied is fitted to the tap spout. Nozzles supplied to suit M22/24 taps should be used.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Location
The appliance must be installed in a frost free environment.

Plumbing
The appliance is intended for connection to the mains water supply. It should be installed by a suitably qualified person. The appliance may be used as an unvented or vented installation. N.B. Not recommended for use with thermostatic mixing valves or taps.

Electrical
The appliance must be earthed and connected to the supply by means of permanent wiring through suitable isolation having a contact separation of at least 3mm in all poles. Installation must comply with current IEE regulations.

Technical Data

Maximum temperature increase @230V and a flow rate of:	ES3	ES4	ES6
2.0 litres/min	20°C	31°C	39°C
2.5 litres/min	16°C	25°C	31°C
3.0 litres/min	13°C	21°C	26°C
3.5 litres/min	11°C	18°C	22°C
4.0 litres/min	10°C	16°C	20°C
Switch on flow rate (l/min)	1.2	1.5	1.5
Switch off flow rate (l/min)	1.0	1.3	1.3

Product Code	Product	Power rating kW@230V	*38°C Max Flow rate ltrs/min	Dimensions W x D x H (mm)
ES3	Zip InLine instantaneous	2.8	1.5	187 x 80 x 132
ES4	Zip InLine instantaneous	4.4	2.4	187 x 80 x 132
ES5	Zip InLine instantaneous	5.5	3.0	187 x 80 x 132

Zip InLine ES®

Instantaneous hand wash packs – complete with heater, tap & fittings

These new packs provide the installer with the ES heater, compatible tap and a comprehensive plumbing kit including flexible hoses and fittings to ensure quick and easy system installation.

The packs are offered in a choice of 3 power ratings with non-concussive or mixer tap.

Non-concussive (NC) pack:

- ES instantaneous water heater.
- Non-concussive single outlet tap.
- 50cm flexible hose for connection to heater.
- 50cm flexible hose for connection to tap.

(Isolating valve NOT supplied).

Optional matching cold taps available

Mixer Tap (MT) pack:

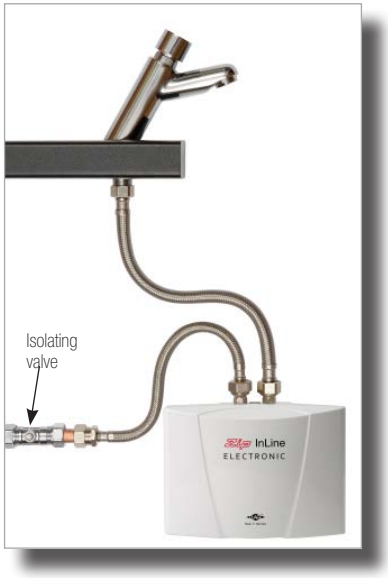
- ES instantaneous water heater.
- Single lever mixer tap complete with braided hoses.
- 50cm braided hose for connection to heater.
- Flow rate adjuster for cold supply to tap.
- Non-return valve for hot supply to tap.
- Tee piece connector.

(Isolating valve NOT supplied).

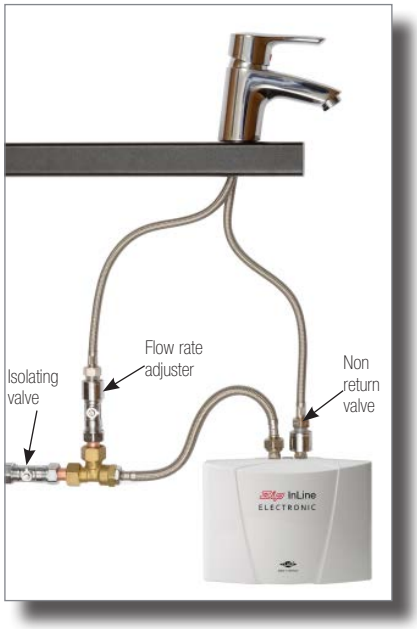
Approvals
WRAS, VDE, CE endorsed.

Product Code	Tap Type	Rating kW @ 230V	38°C Max Flow Rate ltrs/min
ES3/NC	Non-concussive	2.8	1.5
ES4/NC	Non-concussive	4.4	2.4
ES6/NC	Non-concussive	5.5	3.0
ES3/MT	Single lever mixer	2.8	1.5
ES4/MT	Single lever mixer	4.4	2.4
ES6/MT	Single lever mixer	5.5	3.0
ZL018	Matching non-concussive cold tap		

NC Pack (non-concussive tap)



MT Pack (mixer tap)



Zip InLine® CEX

Over and Undersink Electronic Instantaneous Water Heaters for Single or Multiple Outlets

CEX-O

CEX-U

Features and benefits

- The most energy efficient way of heating water electrically.
- Highly efficient bare wire heating system.
- Zero standing heat loss as no stored water.
- Instant hot water.
- Provides a constant* supply of hot water at exactly the temperature selected.
- Heating power adjusted electronically to compensates for variable inlet pressures and temperatures.
- Required temperature can be set using two touch sensitive keys within the range 30°C to 55°C with digital display.
- Maintains precise temperature control despite fluctuations in voltage and water pressure.
- Suitable for use with preheated water from solar systems.
- Power rating can be selected at time of installation.
- Optional wireless control (ZL016).
- CEX-O for oversink CEX-U for undersink installation.

Ratings
6.6kW/8.8kW. Selected at installation.

Heating System
Bare-wire system.

IP Rating
Oversink IP25 Undersink IP24

Suitable for Zone 1.

Approvals
WRAS, VDE & CE endorsed.

Warranty
1 year on site parts and labour. For full details visit: www.zipheaters.co.uk/warranty

Location
The appliance must be installed in a frost free environment.

In order to minimise thermal losses the distance between the appliance and the outlet fitting should be as short as possible.

Plumbing
The appliance is intended for connection to a mains potable water supply. The specific water resistance of the supply must not fall below the minimum specified on the rating plate.

Minimum flow rate 2 litres/min.

Should be installed by a suitable qualified installer of electric instantaneous water heaters.

Electrical
The appliance must be earthed and connected to the supply by means of permanent wiring through an isolation switch having a contact separation of at least 3mm on all poles and protected by a suitably rated circuit breaker.

The cross sectional area of the connection cable must be in accordance with the power rating of the appliance.

The installation must be in accordance with current IEE regulations.

* Subject to a minimum water pressure of 2 bar and maximum of 10 bar

Maximum temperature increase @230V and a flow rate of:	
3.0 litres/min	31°C- 42°C
3.0 litres/min	24°C- 31°C
3.0 litres/min	19°C- 25°C
3.0 litres/min	16°C- 21°C
Switch on flow rate (l/min)	2.0

Product Code	Power rating kW@230V	50°C Max Flow rate ltrs/min	38°C Max Flow rate ltrs/min	Temperature setting range (°C)	Dimensions W x D x H (mm)
CEX-O	6.6 - 8.8	2.5 - 3.3	1.5	30 - 55	177 x 108 x 294
CEX-U	6.6 - 8.8	2.5 - 3.3	2.4	30 - 55	177 x 108 x 294

Zip InLine® DEX, DEX12 & DBX

Electronic Instantaneous Water Heaters for Single or Multiple Outlets

Features and benefits
All models

- The most energy efficient way of directly heating water electrically.
- Highly efficient bare wire heating system.
- Zero standing heat loss as no stored water.
- Instant hot water.
- Provides a constant* supply of hot water at exactly the temperature selected.
- Heating power adjusted electronically to compensate for variable inlet pressures and temperatures.
- Maintains precise temperature control despite fluctuations in voltage and water pressure.
- Optional remote control temperature selection (using ZL017)

DBX:
Outlet temperature set to 50°C adjustable inside the appliance from 30°C to 60°C.

DEX:
If required, two temperature settings can be set using the touch sensitive keys within the range 20°C to 60°C. (20°C to 55°C for DEX12) with digital display of the selected temperature.

Suitable for use with preheated water from solar systems (not DEX12).

Power rating can be selected at time of installation.

Ratings
DEX12 8.8-11kW (adjustable)
DEX 18-27kW (adjustable)
DBX 18kW, 21kW, 24kW & 27kW.

Heating System
Bare-wire system.

IP Rating
IP 25 – Suitable for Zone 1.

Approvals
WRAS, VDE & CE endorsed.

Warranty
1 year on site parts and labour. For full details visit: www.zipheaters.co.uk/warranty

Location
The appliance must be installed in a frost free environment.

In order to minimise distribution losses the distance between the appliance and the outlet fitting should be as short as possible (less than 2m).

Plumbing
The appliance is intended for connection to a mains potable water supply. The specific water resistance of the supply must not fall below the minimum specified on the rating plate.

Minimum flow requirements:

2 litres/min.

Should be installed by a suitably qualified person.

N.B. Not recommended for use with thermostatic mixing valves or taps.

Electrical
The appliance must be earthed and connected to the supply by means of permanent wiring through an isolation switch having a contact separation of at least 3mm on all poles and protected by a suitably rated circuit breaker.

The cross sectional area of the connection cable must be in accordance with the power rating of the appliance.

The installation must be in accordance with current IEE regulations.

* Subject to a minimum water pressure of 2 bar and maximum of 10 bar

DBX

DEX

DEX12	DEX	DBX18	DBX21	DBX24	DBX27
Temperature adjustment range					
7.5ºC- 55ºC	20ºC- 60ºC	30ºC- 60ºC			
Maximum inlet temperature					
25ºC	70ºC	30ºC			
Maximum flow rate (litres/min)					
5.0	8.0	7.0	8.0	8.0	9.0
Pressure loss @ 2.5 l/min					
0.2 bar					
Pressure loss @ 9.0 l/min					
1.3 bar					

Product Code	Power rating kW@230V	50ºC Max Flow rate ltrs/min	38ºC Max Flow rate ltrs/min	Dimensions W x D x H (mm)
DEX12	8.8 - 11.0*	3.3 - 4.1	4.8 - 6.1	231 x 97 x 466
DEX	18.0** - 27.0***	6.8	9.8 ✠	231 x 97 x 466
DBX	18.0**	6.8	9.8 ✠	231 x 97 x 466
DBX21	21.0**	7.9	11.4 ✠	231 x 97 x 466
DBX24	24.0**	9.0 ✠	13.0 ✠	231 x 97 x 466
DBX27	27.0***	10.2 ✠	14.8 ✠	231 x 97 x 466

* 1/N/PE 230V ** 3/PE 280-4150V *** 3/PE 400V
✠ mixed with cold water at the tap

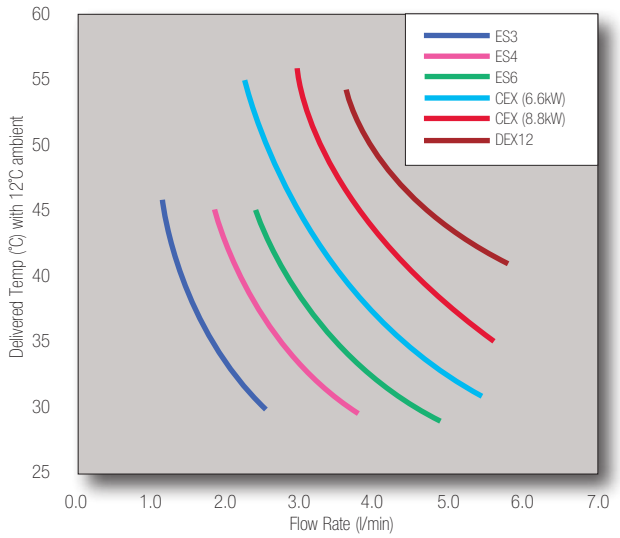
Hot water

Zip InLine

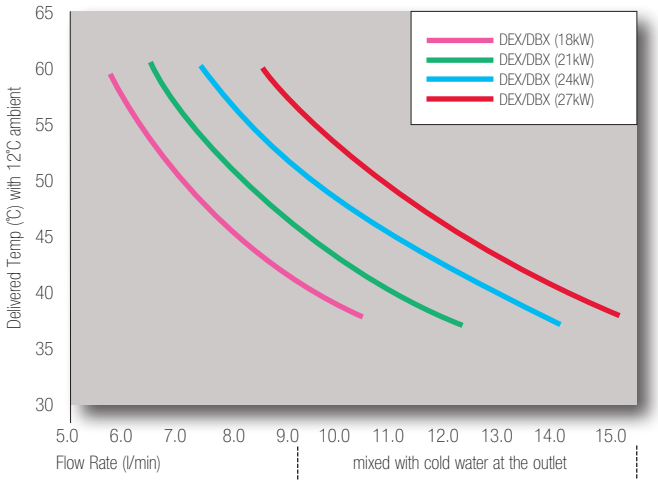
Instantaneous water heating

Instantaneous flow and temperature rise chart

Single Phase



Three Phase



Zip InLine

Accessories

Optimum performance

For the best results from the Zip InLine products the following tap spray nozzles, handsets and remote control should be used.

Tap spray nozzle

Code	Type	Flow rates from
ZL002	22mm female thread	2.0 litres/min
ZL003	24mm male thread	2.0 litres/min

Tap aerator nozzle

ZL008	15mm insert	3.5 litres/min
ZL004	22mm female thread	3.5 litres/min
ZL005	24mm male thread	3.5 litres/min

Shower hand set

ZL006	Fixed pattern	4.0 litres/min

Shower hand set

ZL007	4 mode adjustable	4.0 litres/min

Touch-free taps for use with Zip InLine

1 Long reach basin/sink tap
- ZL001—Mains powered
- ZL002—Battery powered

2 Standard reach basin/sink tap
- ZL003—Mains powered
- ZL004—Battery powered

3 Tubular wall mounted tap
- ZL005—Battery powered
- ZL006—Mains powered

4 Tubular deck mounted tap
- ZL007—Battery powered
- ZL008—Mains powered

5 Pillar tap
- ZL009—Dual powered

7

8

6 Remote control
- TF100 for 3, 4 & 5

7 Remote control
- ZL016 for CEX
- ZL017 for DEX

8 Installation Frame
- ZL020 for DEX & DBX

Zip Aquapoint III®

Unvented water heater

Single or multiple outlets
5, 10, 15 litre
Undersink and Oversink

Features and benefits

Glass lined steel inner container tested to 12 bar.

Sacrificial anode for protection against corrosion.

Element 'ON' neon indicator.

External temperature control with frost protection.

Oversink and Undersink versions available. 5, 10 & 15 litre.

Capacities
5 litre, 10 litre, 15 litre.

Rating
2.0 kW @ 230V.

Heating element
Embedded rod type.

Thermostat
Capillary type adjustable from 7ºC to 75ºC.

Water tank
1.8 mm glass enamelled steel tested to 12 bar.

Case
High impact resistant white plastic.

Insulation
High density, CFC-free polyurethane foam.

IP rating
24.

Approvals
WRAS, CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Safety features
Manually resettable over temperature safety cutout.

Expansion relief valve (supplied) set at 6 bar.

Sacrificial anode for added protection for element and tank in aggressive water conditions, requiring regular inspection and replacement when necessary.

Installation
Separate models available for oversink and undersink installation.

All models can be wall mounted.

Undersink units can be installed unsupported on the floor if required.

All models can supply one outlet or multiple outlets, subject to capacity, without the need for special taps.

Plumbing
Water connections ½" BSP
Expansion relief valve (supplied) set at 6 bar. Should be installed only by a suitably experienced installer of unvented electric storage water heaters.

Oversink and undersink models not interchangeable.

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Supplied with 1 metre of pre-wired cable.

Oversink

Undersink

Product Code	Power rating kW@230V	Capacity Litres	Thermal Loss kWh/day	Dimensions W x D x H (mm)
Zip Aquapoint II Oversink				
AP3/05/OB	2.0	5.0	0.35	256 x 260 x 376
AP3/10/OB	2.0	10.0	0.48	350 x 265 x 480
AP3/15/OB	2.0	15.0	0.62	350 x 310 x 480
Zip Aquapoint II Undersink				
AP3/05	2.0	5.0	0.35	256 x 260 x 376
AP3/10	2.0	10.0	0.48	350 x 265 x 480
AP3/15	2.0	15.0	0.62	350 x 310 x 480

Zip Varipoint II®

Unvented water heater

Single or multiple outlets
10, 15 litre
Undersink & oversink

Features and benefits

Heavy gauge copper inner container tested to 16 bar.

Five year warranty on inner container, two years on controls.

Does not require an anode or regular inspection.Supplied with temperature and pressure relief valve.

Oversink and undersink versions available 10 litre or 15 litre.

External temperature control with frost protection setting.

Element 'ON' neon indicator.

Supplied complete with wall mounting bracket.

Capacities
10 litre, 15 litre.

Rating
2.2 kW @ 230V.

Heating element
Embedded rod type.

Thermostat
Capillary type adjustable up to 75ºC.

Water tank
Heavy gauge copper, pressure tested to 16 bar.

Case
High impact resistant white plastic.

Insulation
High density, CFC-free polyurethane foam.

IP rating
24.

Approvals
WRAS, CE endorsed.

Warranty
Five year on site parts and labour warranty on inner container, two years on controls. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Safety features

Manually resettable over temperature safety cut-out.

Pressure and temperature relief valve supplied.

Expansion relief valve supplied, set at 6 bar.

Frost protection setting.

Installation
Separate models available for oversink and undersink installation.

All models can supply one or more outlets.

No special taps required.

Undersink is floor standing or wall hung on bracket (supplied).

Oversink is wall hung, on bracket (supplied).

Plumbing
Water connections ½" BSP.

Pressure and temperature relief valve (supplied) should be fitted to heater.

Pressure relief valve (supplied) to be fitted in cold water supply.

Should be installed only by a suitably experienced installer of unvented electric storage water heaters.

Oversink and undersink models not interchangeable.

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Supplied with 1 metre of pre-wired cable.

Underrsink

Oversink

Product Code	Power rating kW@230V	Capacity Litres	Thermal Loss kWh/day	Dimensions W x D x H (mm)
Zip Varipoint II Oversink				
VP103	2.2	10.0	0.36	300 x 285 x 452
VP153	2.2	15.0	0.50	300 x 285 x 452
Zip Varipoint II Undersink				
VP103UB	2.2	10.0	0.41	300 x 285 x 452
VP153UB	2.2	15.0	0.58	300 x 285 x 452

Zip Accessories

Unvented water heating

5, 10 & 15 litre capacity

AQ2

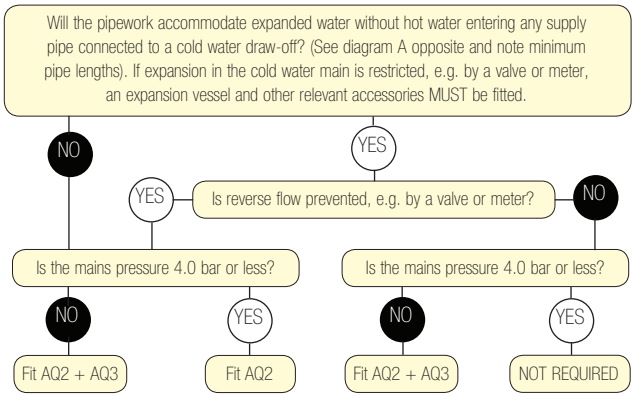
Expansion vessel and check valve (3.5 bar)

AQ3

Combined ressure reducer (set at 3.5 bar) and line strainer

Varipoint & Aquapoint

Unvented Accessory Selection


Will the pipework accommodate expanded water without hot water entering any supply pipe connected to a cold water draw-off? (See diagram A opposite and note minimum pipe lengths). If expansion in the cold water main is restricted, e.g. by a valve or meter, an expansion vessel and other relevant accessories MUST be fitted.
NO
YES
YES
Is reverse flow prevented, e.g. by a valve or meter?
NO
Is the mains pressure 4.0 bar or less?
Is the mains pressure 4.0 bar or less?
NO
YES
NO
YES
Fit AQ2 + AQ3
Fit AQ2
Fit AQ2 + AQ3
NOT REQUIRED

Additional Accessories

AQ1

AQ1

Pressure and temperature relief valve (7 bar/90ºC).

Provides additional levels of safety when fitted to water heater as shown in Diagram D.

Note: Varipoint supplied complete with AQ1.

Order AQ1 separately for use with Aquapoint.

AQ4

AQ4 TMV2

Thermostatic blending valve complete with 2 check valves. (Set temp range 30º to 65ºC).

AQ4S TMV3

NHS Approved Thermostatic Blending Valve complete with 2 check valves. (Set temp range 30º to 50ºC).

These blending valves provide over temperature protection and are also ideal for extending system capacity.

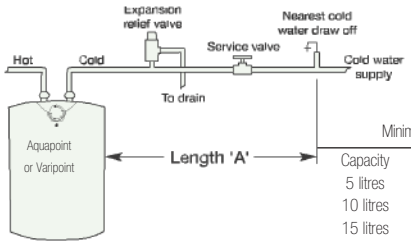
Zip Accessories

Unvented water heating

5, 10 & 15 litre capacity

Diagram A

Inlet pressure less than 4 bar and expanded hot water can be accommodated in the pipe work.



Minimum length of pipe – Length 'A'

Capacity	15mm pipe	22mm pipe
5 litres	1.37m	0.6m
10 litres	2.7m	1.2m
15 litres	4.2m	1.8m

Diagram B

Inlet pressure less than 4 bar but expanded hot water cannot be accommodated in the pipe work. (Install AQ2 expansion vessel and check valve).

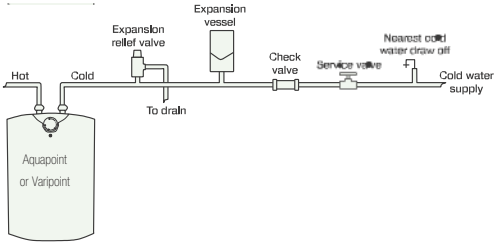
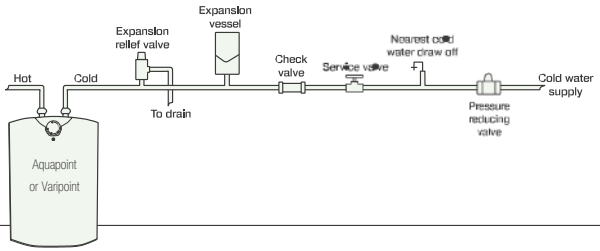


Diagram C

Inlet pressure greater than 4 bar. (Install AQ2 expansion vessel and check valve with AQ3 pressure reducer).



Zip Aquapoint III®

Unvented water heater

Multiple outlet 30, 50, 80 & 100 litre

Features and benefits

Glass lined steel inner container tested to 13 bar.

Sacrificial anode for protection against corrosion.

Element 'ON' neon indicator.

External temperature control with frost protection.

High performance foam insulation.

Factory fitted P&T valve.

Element replacement can be carried out without draining.

Accessories (supplied) Pressure reducing valve and line strainer set to 3.5 bar.

Expansion relief and single check valve set to 6 bar.

Pressure and temperature relief valve set to 7 bar and 90ºC.

External expansion vessel pre-charged to 3.5 bar.

Tundish and wall brackets.

Capacities

30 litre, 50 litre, 80 litre, 100 litre.

Rating

3.0 kW @ 230V.

Heating element

Dry pocketed tubular.

Thermostat

Capillary type adjustable 20ºC to 75ºC.

Inner container

1.8mm glass enamelled steel tested to 13 bar.

Case

Corrosion resistant white enamelled steel.

Insulation

High density, CFC-free polyurethane foam.

Warranty

One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Approvals

WRAS, CE endorsed.

Safety features

Manually resettable safety cutout.

Heater protected against freezing while power switched on.

Factory fitted pressure and temperature relief valve designed to operate at 7 bar and 90ºC.

Expansion relief valve set to operate at 6 bar.

Installation

For installation by a qualified installer in accordance with all national and local Building Regulations.

Intended for wallmounting – please ensure that the wall and fixings are strong enough to take the weight of the water heater when full.

Plumbing

Water connections ½" BSP.

Minimum recommended water pressure 1 bar.

Unit supplied with full installation kit comprising: expansion vessel, pressure reducing valve, balanced take off, expansion relief valve (6 bar), line strainer, tundish and wall brackets.

P&T and expansion relief valves require plumbing to waste in accordance with water authority bylaws.

Sacrificial anode for added protection for element and inner container in aggressive water conditions – requires regular inspection and replacement when necessary.

Electrical

To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.
Element can be changed without draining down.

Product Code	Capacity Litres	Weight Full (kg)	Thermal Loss kWh/day	Dimensions W x D x H (mm)
Zip Aquapoint II				
AP3/30	30.0	49	0.65	420 x 445 x 525
AP3/50	50.0	74	0.68	420 x 445 x 690
AP3/80	80.0	108	0.94	420 x 445 x 950
AP3/100	100.0	131	1.10	420 x 445 x 1125

Zip Varipoint III®

Unvented water heater

Multiple outlets
30, 50, 80,100 litre

Features and benefits

Heavy gauge copper inner container, tested to 12 bar.

Five year warranty on inner container, two years on controls.

Does not require an anode or regular inspection.

Supplied with factory fitted P&T valve and full installation fitting kit.

External temperature control.

Element 'ON' neon indicator.

High performance foam insulation.

Accessories (supplied)

Pressure reducing valve set to 3.5 bar and line strainer.

Pressure relief valve set to 6 bar and single check valve.

Pressure and temperature relief valve set to 7 bar and 90°C.

External expansion vessel pre-charged to 3.5 bar.

Tundish and wall brackets.

Tee piece and drain valve.

Expansion vessel capacity

VP303/VP505 = 5 litre

VP803/VP953 = 8 litre

Capacities

30 litre, 50 litre, 80 litre, 100 litre.

Rating

2.7 kW @ 230V.

Heating element

Replaceable embedded rod type.

Thermostat

Capillary type adjustable
37°C to 75°C.

Inner container

Heavy gauge copper tested to 12 bar.

Case

Corrosion resistant white enamelled steel.

Insulation

High density, CFC-free polyurethane foam.

Approvals

WRAS, CE endorsed.

Warranty

Five-year on site parts and labour warranty on inner container, two years on controls. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Safety features
Manually resettable safety cutout.

Heater protected against freezing while power switched on.

Factory fitted pressure and temperature relief valve designed to operate at 7 bar and 90°C.

Expansion relief valve set to operate at 6 bar.

Installation

For installation by a qualified installer in accordance with all national and local Building Regulations.

Intended for wallmounting – please ensure that the wall and fixings are strong enough to take the weight of the water heater when full.

Plumbing

Water connections ½" BSP.

Minimum recommended water pressure 1 bar.

Unit supplied with full installation kit comprising: expansion vessel, pressure reducing valve, balanced take off, expansion relief valve (6 bar), line strainer, tundish and wall brackets.

P&T and expansion relief valves require plumbing to waste in accordance with water authority bylaws.

Electrical

To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Product Code	Capacity Litres	Weight Full (kg)	Thermal Loss kWh/day	Dimensions H x Diameter (mm)
Zip Varipoint III				
VP303	30.0	50	0.732	620 x 430
VP503	50.0	70	0.912	808 x 430
VP803	80.0	107	1.032	946 x 485
VP953	100.0	133	1.207	1091 x 485

Zip AquaFlo II®

Unvented water heater

Unvented stainless-steel cylinders
90 to 300 litre capacity

Features and benefits

Wide range of capacities from 90 litres up to 300 litres.

High grade Duplex Stainless Steel Unvented Cylinder for long life.

Incoloy immersion elements provide excellent corrosion resistance.

Titanium replacement elements available for high use applications.

Compact coil-in-coil heat exchangers provide fast heat up and recovery.

Multi-element options for faster heat up.

High performance insulation ensures minimum heat loss.

External expansion for optimum reliability, more usable space and ease of maintenance.

No sacrificial anode. Avoids the need for regular inspection.

22mm compression connections for ease of installation.

Cylinders tested to 15 bar.

25 year transferable cylinder warranty.

2 year warranty on all other components.

Fully approved to UK Water Regulations and Buildings Regulations Part G3 and Part L.

Construction

- Direct, indirect and solar compatible unvented water heaters.
- Corrosion resistant Duplex Stainless Steel cylinder.
- High performance, low profile coil-in-coil heat exchanger.
- High performance CFC free injected polyurethane foam insulation.
- White plastic coated steel case resistant to scuffs and damage.
- External expansion for reliability and ease of maintenance.
- Cylinder pressure tested to 15 bar.

Installation

For installation by a qualified installer in accordance with all national and local Building Regulations.

Intended for floor standing only – refer to Technical Data for weight when full.

Nominal Capacity

Direct and Indirect units: 90, 120, 150, 180, 210, 250 and 300 litres.

Solar Twin Coil and Solar Direct units: 150, 180, 210, 250 and 300 litres.

Immersion Elements

Incoloy construction 1¾" thread. Length 14" Loading 3kW @ 240V.

Heat Exchanger

22mm low profile, high efficiency stainless steel coil-in-coil.

Controls

Thermostat – adjustable up to 65°C.

Over temperature safety cut-out – Re-settable. Operates at 85°C.

Expansion relief valve – 6 bar.

Temperature and pressure relief valve – 90°C and 7 bar.

Tundish.

Two way valve with indirect models.

Pressure reducing valve – 3 bar.

Expansion vessel – Pre-charged to 3 bar.

Plumbing

For connection to 22mm mains potable water supply.

Minimum water supply 1.5 bar, 20 l/min.

Maximum water supply pressure 12 bar.

Electrical

To be wired to a suitably rated double pole fused spur.

Installation must comply with current IEE regulations.

Approvals

KIWA approved to UK Water Regulations.

KIWA approved to UK Building Regulations Part G3 and Part L.

Immersion element/thermostat BEAB approved and CE endorsed.

Warranty

25 years on cylinder transferable (conditions apply).

2 years on all other components.

Zip AquaFlo II®

Unvented water heater

Unvented stainless-steel cylinders
90 to 300 litre capacity

AquaFlo Direct

Product Code	Nominal Capacity (L)	Height (mm) x 545 Dia	Weight Empty (kg)	Weight when Full (kg)	Vol within 10°C of set temp (L)	Heat up 3kW (mins)	Heat up 6kW (mins)	Heat up 9kW (mins)	Boost re-heat (mins)	Low level immersion elements	High level immersion elements	Standing Loss (kWh/day)
AF3090	90	727	21	111	73	76.0	-	-	-	1	0	1.07
AF3120	120	915	26	146	102	103.0	-	-	58.0	1	1	1.23
AF3150	150	1102	33	183	133	134.0	-	-	72.0	1	1	1.41
AF3180	180	1290	38	218	163	164.0	-	-	82.0	1	1	1.53
AF3210	210	1478	41	251	194	203.0	-	-	96.0	1	1	1.80
AF3250	250	1728	46	296	236	248.0	-	-	117.0	1	1	2.15
AF3300	300	2041	55	355	288	323.0	-	-	145.0	1	1	2.28
AF3150S*	150	1102	33	183	133	134.0	73	57	72.0#	3 or 2	0 or 1	1.41
AF3180S*	180	1290	38	218	163	164.0	88	67	82.0#	3 or 2	0 or 1	1.53
AF3210S*	210	1478	41	251	194	203.0	108	80	96.0#	3 or 2	0 or 1	1.80
AF3250S*	250	1728	46	296	236	248.0	130	95	117.0#	3 or 2	0 or 1	2.15
AF3300S*	300	2041	55	355	288	323.0	168	120	145.0#	3 or 2	0 or 1	2.28

* Supplied with 3 elements and 4 bosses - 3 at low level and 1 at high level. Additional elements are available for installation in the 4th boss. # If using high level element

AquaFlo Indirect

Product Code	Nominal Capacity (L)	Height (mm) x 545 Dia	Weight Empty (kg)	Weight when Full (kg)	Vol within 10°C of set temp (L)	Indirect Heat Exchanger (kW)	Recovery Indirect (mins)	Boost re-heat (mins)	Low level immersion elements	High level immersion elements	Standing Loss (kWh/day)
AF4090	90	727	23	111	74	16.46	12.0	-	1	0	1.07
AF4120	120	915	30	148	105	16.46	16.0	-	1	0	1.23
AF4150	150	1102	38	186	132	18.55	17.2	-	1	0	1.41
AF4180	180	1290	42	220	160	18.55	20.4	-	1	0	1.53
AF4210	210	1478	45	253	188	18.55	22.0	-	1	0	1.80
AF4250	250	1728	51	299	232	22.00	25.0	117.0	1	1	2.15
AF4300	300	2041	60	357	285	22.00	34.0	145.0	1	1	2.28

AquaFlo Solar Compatible

Product Code	Nominal Capacity (L)	Height (mm) x 545 Dia	Weight Empty (kg)	Weight when Full (kg)	Vol within 10°C of set temp (L)	Indirect Heat Exchanger (kW)	Solar Heat Exchanger	Dedicated Solar Capacity	Recovery solar (mins)	Boost re-heat (mins)	Low level immersion elements	High level immersion elements	Standing Loss (kWh/day)
Solar Twin Coil													
AF5150	150	1102	40	187	132	18.55	16.46	77	25.0*	12.0#	0	1	1.41
AF5180	180	1290	45	222	160	18.55	18.55	95	26.3*	14.8#	0	1	1.53
AF5210	210	1478	48	255	188	22	18.55	101	31.2*	15.5#	0	1	1.80
AF5250	250	1728	53	300	232	22	22.00	107	33.0*	20.0#	0	1	2.15
AF5300	300	2041	63	359	285	22	22.00	121	41.0*	25.0#	0	1	2.28
Solar Direct													
AF6150	150	1102	38	186	102	-	16.46	80	25.0*	72.0	1	1	1.41
AF6180	180	1290	42	220	123	-	18.55	100	26.3*	82.0	1	1	1.53
AF6210	210	1478	45	253	143	-	18.55	116	31.2*	96.0	1	1	1.80
AF6250	250	1728	51	299	175	-	22.00	137	33.0*	117.0	1	1	2.15
AF6300	300	2041	60	358	210	-	22.00	160	41.0*	145.0	1	1	2.28

Actual performance when installed will vary considerably dependant on the rate of solar or other renewable input, number of panels etc.

* Re-heat times based on BS12897 parameters with an 80°C primary flow at 15 l/min.
# Using Indirect heat exchanger

Zip Tudor II®

Over-sink or under-sink water heater

Open outlet for single point of use
5, 10 litre

Features and benefits

Open outlet heater, for single point of use.

Externally adjustable temperature control with frost protection.

Manually re-settable cut-out.

Oversink models supplied complete with spout and valve.

Undersink models for connection to Zip open-outlet tapware only - see page 96.

Supplied with 1 metre of pre-wired cable.

CFC-free insulation.

Impact resistant, easy clean, white plastic casing.

Neon power-on indicator light.

Choice of 5 and 10 litre capacities.

Supplied complete with wall plugs and screws.

Rating
2.0 kW @ 230V.

Heating element
Embedded rod type.

Thermostat
Capillary type, adjustable 35°C to 80°C.

Inner container
Polypropylene tested to 1.5 bar.

Case
Impact resistant plastic.

Insulation
Moulded CFC-free polystyrene.

Approvals
WRAS, CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Operation
Externally adjustable temperature control.

Neon light indicates when the power is 'ON'.

Safety features
Open-outlet non-pressurised system.

Heater protected against freezing while power switched on.

Manually re-settable over-temperature safety cut-out.

Installation
Supplies hot water to a single outlet using spout or Zip vented taps. No need for expansion vessel or pressure relief valve.

Screws and wall fixings provided.

Plumbing
Can be connected to a rising main or to a cistern with a minimum working head of 3 metres.

Over-sink models are supplied with a 300mm open outlet spout and control valve.

Undersink models must only be connected to Zip open-outlet taps, (see page 96).

Over-sink and under-sink models are NOT interchangeable.

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

Product Code	Capacity Litres	Thermal Loss kWh/day	Dimensions W x H x D (mm)
Zip Tudor II Oversin			
P4/52	5.0	0.32	255 x 215 x 390
P4/102	10.0	0.40	310 x 265 x 440
Zip Tudor II Undersink			
P4/52UB	5.0	0.32	255 x 215 x 390
P4/102UB	10.0	0.40	310 x 265 x 440

Zip Contract II®

Over-sink water heater

Open outlet for single point of use
5, 10 litre

Features and benefits

Open outlet oversink water heater for single point of use.

External temperature control with frost protection.

Over temperature safety thermal fuse (C2/50 and C2/100).

Remotely resettable over temperature protection (C3/50).

Supplied with inlet control valve and swivel outlet spout.

Impact resistant, easy clean, white plastic casing.

CFC-free insulation.

Choice of 5 or 10 litre capacity.

Capacities
5 litre, 10 litre.

Rating
2.0 kW @ 230V.

Heating element
Embedded rod type.

Thermostat
Capillary type adjustable
35˚C – 80˚C.

Inner container
Polypropylene tested to 1.5 bar.

Case
Impact resistant white plastic.

Insulation
Moulded, CFC free Polystyrene.

Approvals
WRAS, CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Safety features
Safety cut out in the event of a thermostat failure.

Heater protected against freezing while power switched on.

Installation
All models should be wall mounted.

Screws and wall fixings provided.

Plumbing
Can be connected to a rising main or to a cistern with a minimum working head of 3 metres.

Supplied with a 300mm open outlet spout and water control valve.

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps. Installation must comply with current IEE regulations.

C3/50 model C2/50 model

Product Code	Capacity Litres	Thermal Loss kWh/day	Dimensions W x H x D (mm)
Zip Contract			
C2/50	5.0	0.32	255 x 215 x 390
C2/100	10.0	0.40	310 x 265 x 440
*C3/50	5.0	0.32	255 x 215 x 390

* Specialist product for temporary site applications with remotely resettable dry start protection. For details contact Zip Technical support.

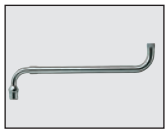
Zip Accessories

Vented Point of Use

*UB1
Monobloc mixer

*UB6
Single lever basin tap

*UB7
Single lever sink tap



TS1
Telescopic spout 350-600mm

*For use with Zip Tudor P4/52UB and P4/102UB

Zip RCH®

Cistern-type water heater

Single or multiple outlet
25, 50, 75, 100 litre

Features and benefits

Patented design ensures the temperature of the water in the cistern tank is maintained within current regulatory limits.

Simple to install and maintain.

Trouble free operation.

Choice of 4 capacities.

Capacities
25 litre, 50 litre, 75 litre, 100 litre.

Rating
2.8 kW @ 230V
(5.6 kW option on 100 litre).

Heating element
Embedded rod.

Thermostat
Rod type, adjustable from 5ºC – 65ºC.

Water tank
Hot water tank and cold water feed cistern are both manufactured from copper sheet with brazed seams.

Case
Corrosion resistant, white powder coated steel.

Insulation
Fully fire-retardant foiled urethane core.

Safety features
Over temperature cut-out.

Approvals
WRAS, approval pending.
CE endorsed.

Warranty
One-year on site parts and labour. For full details of the Zip Warranty Scheme visit: www.zipheaters.co.uk/warranty

Installation
Should be mounted on a wall at least one metre above the highest draw-off point.

Wall and fixings should be adequate to support the weight of the heater when full.

Heater to be fixed using the integral wall mounting bracket.

Top clearance of 150mm must be allowed for access to the ball valve in the cistern tank.

Bottom clearance of 250mm must be allowed for withdrawal of the heating element.

Plumbing
Cold inlet, left or right hand connection, ½" BSP.

Hot outlet, from base of heater, 22mm compression fitting.

Drain connection, supplied and fitted.

Overflow, left or right hand connection, 22mm compression fitting.

Ball valve is for mains pressure operation, brass body to BS1212-2.

Electrical
To be wired to a double pole switched fused spur with a minimum break capacity of 13 amps.

RCH 100/6 should be provided with its own dedicated supply.

Installation must comply with current IEE regulations. Supplied with 1 metre of cable.

The cross sectional area of the connection cable must be in accordance with the power rating of the appliance.

Product Code	Capacity Litres	Rating kW @ 230V	Weight Full (kg)	Dimensions W x D x H (mm)
Zip RCH				
RCH25	30.0	3.0	52	470 x 210 x 705
RCH50	50.0	3.0	106	600 x 320 x 750
RCH75	80.0	3.0	136	600 x 320 x 925
RCH100	100.0	3.0	164	600 x 320 x 1080
RCH100/6	100.0	2 x 3.0	164	600 x 320 x 1080

Zip Hot Water
Typical applications

Application (Up to)	Suggested Zip Products	Page reference
Single hand wash	ES3*, ES4*, ES6*	70
1 basin	CEX	74
	AP3/05, AP3/05/OB	80
	P4/52, P4/52UB	94
	C2/50	96
1 sink	CEX*	74
	DEX12*	76
	AP3/30	86
	VP303	88
2 basins	CEX*	74
	DEX12*	76
	AP3/10, AP3/10/OB	80
	VP103, VP103UB	82
3 basins	AP3/15, AP3/15/OB	80
	VP153, VP153UB	82
1 basin, 2 sinks	RCH25	98
3 basins, heavy use or 2 sinks	DEX/DBX*	76
1 shower	DEX12*	76
	DEX/DBX*	76
1 bath & shower	DEX/DBX*	76
	AP3/80	86
	VP803	88
	RCH75	98
Bed-sit	DEX/DBX*	76
	AP3/100	86
	VP953	88
	AF3120, AF4090	90
	RCH100	98
1 bath & shower (1-2 beds)	DEX/DBX*	76
	AF3150, AF4120	90
1 bath & shower (3 beds)	AF3180, AF4150	90
1 bath & shower (4 beds)	AF3210, AF4180	90
2 bath & shower (5 beds)	AF3250, AF4210	90
3 bath & shower (6 beds)	AF3300, AF4250	90

N.B. These application suggestions are based upon the assumption that the incoming water supply temperature is 12°C.
For advice on product selection, if the incoming water temperature is likely to be lower, call our Technical Service Team on 0845 6 005 005

Useful formulae

Time to heat stored water (mins) = $\frac{\text{Litres x Temp Rise (°C)}}{\text{kW rating x 14.3}}$

Temperature rise with an instantaneous water heater (°C) = $\frac{\text{14.3 x kW rating}}{\text{Litres/min flow}}$

Temperature
- Degrees Celsius = (°F-32) x $\frac{5}{9}$
- Degrees Fahrenheit = (°C x $\frac{9}{5}$) + 32
- Degrees Kelvin = (°C + 273.2)

Conversion factors

Pressure
- 1 Bar = 14.5 psi = 100 kiloNewtons/m^2 = 100 kPa
- 1 psi = 7 kPa

Heat
1 kiloCalorie (kCal) is the amount of energy required to raise 1 kg of water through one degree Celsius

Zip Heaters (UK) Ltd reserves the right to modify the specification of its products without notice and makes every effort to maintain the accuracy of information contained in this publication.

The terms 'Zip', 'HydroTap', 'Hydroboil', 'Econoboil', 'Duo', 'Chilltap', 'Chillmaster', 'Wall Fountain', 'Chill Fountain', 'Aquapoint', 'Varipoint', 'AquaFlo', 'Inline ES', 'InLine', 'Tudor', 'Contract' and 'RCH' are all registered trademarks.

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Notes

Notes

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Instant Boiling Water